

Sat Feb 8 11:21:24 2003

us-09-537-858c-1\_copy\_25\_91.closed.rapb

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OW protein - protein search, using SW model

Run on: February 8, 2003, 11:27:00 : Search time 11 Seconds

(without alignments)  
135 031 Million cell updates/sec

Title: US-09-537-858c-1\_copy\_25\_91

Sequence: 1 PYSSTTTCFAVIAPIAPP VCANPKKVPVINSLEMS 67

Search: PUSCWS  
Gap: 10 0 : Gap: 0 5

Search: 13500, seqs, 2016997 residues

Total number of hits satisfying chosen parameters: 55761

Minimum DB seq length: 0

Maximum DB seq length: 67

Post-processing: Minimum Match 24  
Maximum Match 100%

Listing first 45 summaries

Database: Published Applications AA:  
1: /gen2\_6/Products/2/pub/paa/US09\_NEW\_PUB pep.\*  
2: /gen2\_6/Products/2/pub/paa/US09\_NEW\_PUB pep.\*  
3: /gen2\_6/Products/2/pub/paa/US09\_NEW\_PUB pep.\*  
4: /gen2\_6/Products/2/pub/paa/US09\_NEW\_PUB pep.\*  
5: /gen2\_6/Products/2/pub/paa/US09\_NEW\_PUB pep.\*  
6: /gen2\_6/Products/2/pub/paa/US09\_NEW\_PUB pep.\*  
7: /gen2\_6/Products/2/pub/paa/US09\_NEW\_PUB pep.\*  
8: /gen2\_6/Products/2/pub/paa/US09\_NEW\_PUB pep.\*  
9: /gen2\_6/Products/2/pub/paa/US09\_NEW\_PUB pep.\*  
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11: /gen2\_6/Products/2/pub/paa/US09\_NEW\_PUB pep.\*  
12: /gen2\_6/Products/2/pub/paa/US09\_NEW\_PUB pep.\*  
13: /gen2\_6/Products/2/pub/paa/US09\_NEW\_PUB pep.\*  
14: /gen2\_6/Products/2/pub/paa/US09\_NEW\_PUB pep.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed.  
and is derived by analysis of the total score distribution.

# SUMMARIES

Result No.	Score	Match	Length	DB ID	Description
1	332	89.7	60	9	US-09-888-938-5
2	325	87.8	67	10	US-09-144-838-18
3	314	84.9	67	10	US-09-144-838-41
4	269	72.7	66	10	US-09-144-838-37
5	268	72.4	67	10	US-09-144-838-36
6	260	70.3	67	10	US-09-144-838-33
7	257	69.5	67	10	US-09-144-838-39
8	212	57.3	66	10	US-09-144-838-35
9	203	54.2	67	10	US-09-144-838-31
10	198	53.5	67	10	US-09-144-838-30
11	184	50.5	67	10	US-09-144-838-22
12	182	49.2	67	10	US-09-144-838-19
13	182	49.2	67	10	US-09-144-838-15
14	171.5	46.4	66	10	US-09-144-838-16
15	168	45.4	66	10	US-09-144-838-17
16	147.5	38.4	67	10	US-09-144-838-25
17	141	38.1	67	10	US-09-144-838-28
18	137	37.0	62	10	US-09-144-838-14
19	137	37.0	66	10	US-09-144-838-29

20	132	35.7	64	10	US-09-144-838-21
21	131	35.4	64	10	US-09-144-838-22
22	130	35.1	64	10	US-09-144-838-23
23	128	34.6	64	10	US-09-144-838-24
24	127	34.3	64	10	US-09-144-838-25
25	127	34.3	64	10	US-09-144-838-26
26	122	33.0	64	10	US-09-144-838-27
27	109.5	29.1	64	10	US-09-144-838-28
28	100.5	27.7	64	10	US-09-144-838-29
29	89.5	23.8	64	10	US-09-144-838-30
30	88	23.8	64	10	US-09-144-838-31
31	86.5	23.4	64	10	US-09-144-838-32
32	86.5	23.4	64	10	US-09-144-838-33
33	86.5	23.4	64	10	US-09-144-838-34
34	86	23.2	64	10	US-09-144-838-35
35	85.5	23.1	64	10	US-09-144-838-36
36	85.5	23.1	64	10	US-09-144-838-37
37	85.5	23.1	64	10	US-09-144-838-38
38	85.5	23.1	64	10	US-09-144-838-39
39	85.5	23.1	64	10	US-09-144-838-40
40	85.5	23.1	64	10	US-09-144-838-41
41	85.5	23.1	64	10	US-09-144-838-42
42	85.5	23.1	64	10	US-09-144-838-43
43	85.5	23.1	64	10	US-09-144-838-44
44	85.5	23.1	64	10	US-09-144-838-45
45	85	23.1	64	10	US-09-144-838-46

# ALIGNMENTS

RESULT 1  
US-09-888-938-5  
Sequence: PYSSTTTCFAVIAPIAPP  
Patent No. US0900015429A  
GENERAL INFORMATION:  
APPLICANT: Graham P. Conway  
TITLE OF INVENTION: A METHOD FOR PREVENTING HIV  
FILE REFERENCE: US0900015429A  
CURRENT AFFILIATION NUMBER: US0900015429A  
CURRENT FILING DATE: 1998-08-28  
NUMBER OF SEQ. ID NO. 5  
SOFTWARE: Patent in violation 3.1  
SEQ. ID NO. 5  
LENGTH: 60  
TYPE: PRT  
ORGANISM: Homo sapiens  
US-09-888-938-5

Query Match  
Best Local Similarity 100.0% Pred. No. 9 60  
Matches 60; Conservative 0; Mismatches

US-09-144-838-38  
Sequence: PYSSTTTCFAVIAPIAPP  
Patent No. US0900015429A  
GENERAL INFORMATION:  
APPLICANT: Simon, Payne  
TITLE OF INVENTION: A METHOD FOR PREVENTING HIV  
FILE REFERENCE: US0900015429A  
CURRENT AFFILIATION NUMBER: US0900015429A  
CURRENT FILING DATE: 1998-08-28  
EARLIER APPLICATION NUMBER: US 60/057,620  
EARLIER FILING DATE: 1998-08-28

NUMBER OF SEQ ID NOS: 54  
 SOFTWARE: Patent In Ver. 2.1  
 SEQ ID NO: 38  
 LENGTH: 67  
 TYPE: PRT  
 ORGANISM: Artificial Sequence  
 FEATURE:  
 OTHER INFORMATION: Description of Artificial Sequence: Synthetic  
 US-09-144-838-38

Query Match 87.9% Score 325, DP 10, Length 67  
 Best Local Similarity 100.0% Pred. No. 6, 10, 24  
 Matches 59, Conservative 0, Mismatches 0, Indels 0, Gaps 0

DB 9 CCAATATAPLPAAHKEFYTSGRGNPAVVFTRKQVCAHFKVAVPEYINSLEMS 67  
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RESULT 3  
 US-09-144-838-41  
 Sequence 41, Application US/09144838A  
 Patent No. US20020051996A1  
 GENERAL INFORMATION:  
 APPLICANT: Stani, Michael A.  
 APPLICANT: Wilken, Jill  
 APPLICANT: Simon, Reyna  
 APPLICANT: Kent, Stephen B.H.  
 TITLE OF INVENTION: Modular Protein Libraries and Methods of Preparation  
 FILE REFERENCE: GPN 020/0105  
 CURRENT APPLICATION NUMBER: US/09/144, 838A  
 CURRENT FILING DATE: 1998-08-31  
 EARLIER FILING DATE: 1997-09-04  
 NUMBER OF SEQ ID NOS: 54  
 SOFTWARE: Patent In Ver. 2.1  
 SEQ ID NO: 41  
 LENGTH: 67  
 TYPE: PRT  
 ORGANISM: Artificial Sequence  
 FEATURE:  
 OTHER INFORMATION: Description of Artificial Sequence: Synthetic  
 US-09-144-838-41

Query Match 84.9% Score 314, DP 10, Length 67  
 Best Local Similarity 98.5% Pred. No. 1, 10, 23  
 Matches 54, Conservative 5, Mismatches 2, Indels 0, Gaps 0

DB 1 PYSDTTCGCAVIAAPLPAAHKEFYTSGRGNPAVVFTRKQVCAHFKVAVPEYINSLEMS 67  
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QY 61 I 61  
 DB 62 L 62

RESULT 4  
 US-09-144-838-37  
 Sequence 37, Application US/09144838A  
 Patent No. US20020051996A1  
 GENERAL INFORMATION:  
 APPLICANT: Stani, Michael A.  
 APPLICANT: Wilken, Jill  
 APPLICANT: Simon, Reyna  
 APPLICANT: Kent, Stephen B.H.  
 TITLE OF INVENTION: Modular Protein Libraries and Methods of Preparation  
 FILE REFERENCE: GPN 020/0105  
 CURRENT APPLICATION NUMBER: US/09/144, 838A  
 CURRENT FILING DATE: 1998-08-31  
 EARLIER FILING DATE: 1997-09-04  
 NUMBER OF SEQ ID NOS: 54  
 SOFTWARE: Patent In Ver. 2.1  
 SEQ ID NO: 37  
 LENGTH: 67  
 TYPE: PRT  
 ORGANISM: Artificial Sequence

SOFTWARE: Patent In Ver. 2.1  
 SEQ ID NO: 37  
 LENGTH: 66  
 TYPE: PRT  
 ORGANISM: Artificial Sequence  
 FEATURE:  
 OTHER INFORMATION: Description of Artificial Sequence: Synthetic  
 US-09-144-838-37

Query Match 72.7% Score 269, DP 10, Length 66  
 Best Local Similarity 86.8% Pred. No. 1, 70, 24  
 Matches 40, Conservative 5, Mismatches 2, Indels 0, Gaps 0

DB 9 CCAATATAPLPAAHKEFYTSGRGNPAVVFTRKQVCAHFKVAVPEYINSLEMS 61  
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RESULT 5  
 US-09-144-838-36  
 Sequence 36, Application US/09144838A  
 Patent No. US20020051996A1  
 GENERAL INFORMATION:  
 APPLICANT: Stani, Michael A.  
 APPLICANT: Wilken, Jill  
 APPLICANT: Simon, Reyna  
 APPLICANT: Kent, Stephen B.H.  
 TITLE OF INVENTION: Modular Protein Libraries and Methods of Preparation  
 FILE REFERENCE: GPN 020/0105  
 CURRENT APPLICATION NUMBER: US/09/144, 838A  
 CURRENT FILING DATE: 1998-08-31  
 EARLIER FILING DATE: 1997-09-04  
 NUMBER OF SEQ ID NOS: 54  
 SOFTWARE: Patent In Ver. 2.1  
 SEQ ID NO: 36  
 LENGTH: 67  
 TYPE: PRT  
 ORGANISM: Artificial Sequence  
 FEATURE:  
 OTHER INFORMATION: Description of Artificial Sequence: Synthetic  
 US-09-144-838-36

Query Match 72.4% Score 268, DP 10, Length 67  
 Best Local Similarity 83.1% Pred. No. 1, 2, 26, 24  
 Matches 43, Conservative 2, Mismatches 8, Indels 0, Gaps 0

DB 3 CCAATATAPLPAAHKEFYTSGRGNPAVVFTRKQVCAHFKVAVPEYINSLEMS 67  
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RESULT 6  
 US-09-144-838-33  
 Sequence 33, Application US/09144838A  
 Patent No. US20020051996A1  
 GENERAL INFORMATION:  
 APPLICANT: Stani, Michael A.  
 APPLICANT: Wilken, Jill  
 APPLICANT: Simon, Reyna  
 APPLICANT: Kent, Stephen B.H.  
 TITLE OF INVENTION: Modular Protein Libraries and Methods of Preparation  
 FILE REFERENCE: GPN 020/0105  
 CURRENT APPLICATION NUMBER: US/09/144, 838A  
 CURRENT FILING DATE: 1998-08-31  
 EARLIER FILING DATE: 1997-09-04  
 NUMBER OF SEQ ID NOS: 54  
 SOFTWARE: Patent In Ver. 2.1  
 SEQ ID NO: 33  
 LENGTH: 67  
 TYPE: PRT  
 ORGANISM: Artificial Sequence



```

ADDRESSER: Fish & Richardson
STREET: 225 Franklin Street
CITY: Boston
STATE: MA
COUNTRY: U S A
ZIP: 02110-2804
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.30R
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/330,163
FILING DATE: 05-AUG-1994
CLASSIFICATION: 510
ATTORNEY/AGENT INFORMATION:
NAME: Fasse, J. Peter
REGISTRATION NUMBER: 32,783
REFERENCE/DOCKET NUMBER: 00231/090001
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 542-5070
TELEFAX: (617) 542-8906
INFORMATION FOR SEQ ID NO: 14:
SEQUENCE CHARACTERISTICS:
LENGTH: 66 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: peptide
US-08-330-163-14

```

```

Query Match          95.4%; Score 353; DB 1; Length 66;
Best Local Similarity 97.0%; Pred. No. 1,5e-34;
Matches 64; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

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```

QY 1 PYSSDTTCCFAVIAPLPFAHKEFYPTSGYCSNFAVVFVTPRNVWVANEFEWVEY 60
Db 1 PYSSDTTCCFAVIAPLPFAHKEFYPTSGYCSNFAVVFVTPRNVWVANEFEWVEY 60

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QY 61 INSELM 66
Db 61 INSELM 66

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```

RESULT 3
US-08-482-111-14
Sequence 14, Application US/08482111
Patent No. 5789539
GENERAL INFORMATION:
APPLICANT: Daly, Thomas J.
APPLICANT: Laposa, Gregory J.
TITLE OF INVENTION: Checking Like Proteins and Methods of
TITLE OF INVENTION: Use
NUMBER OF SEQUENCES: 70
CORRESPONDENCE ADDRESSES:
ADDRESSER: Fish & Richardson P.C.
STREET: 225 Franklin Street
CITY: Boston
STATE: MA
COUNTRY: U S A
ZIP: 02110-2804
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.30R
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/482,111
FILING DATE: 07-JUN-1995
CLASSIFICATION: 514
ATTORNEY/AGENT INFORMATION:
NAME: Fasse, J. Peter
REGISTRATION NUMBER: 32,993

```

```

REFERENCE/DOCKET NUMBER: 00231/090001
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 542-5070
TELEFAX: (617) 542-8906
INFORMATION FOR SEQ ID NO: 14:
SEQUENCE CHARACTERISTICS:
LENGTH: 66 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: peptide
US-08-482-111-14

```

```

Query Match          95.4%; Score 353; DB 1; Length 66;
Best Local Similarity 97.0%; Pred. No. 1,5e-34;
Matches 64; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

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QY 1 PYSSDTTCCFAVIAPLPFAHKEFYPTSGYCSNFAVVFVTPRNVWVANEFEWVEY 60
Db 1 PYSSDTTCCFAVIAPLPFAHKEFYPTSGYCSNFAVVFVTPRNVWVANEFEWVEY 60

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QY 61 INSELM 66
Db 61 INSELM 66

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RESULT 4
US-08-876-078-5
Sequence 5, Application US/08876078
Patent No. 6107019
GENERAL INFORMATION:
APPLICANT: Allaway, Graham P
APPLICANT: Litwin, Virginia M
APPLICANT: Maddon, Paul J
APPLICANT: Olson, William C
TITLE OF INVENTION: A Method For Preventing HIV-1
TITLE OF INVENTION: Infection of CD4+ Cells
NUMBER OF SEQUENCES: 27
CORRESPONDENCE ADDRESSES:
ADDRESSER: Cooper & Dunham LLP
STREET: 1185 Avenue of the Americas
CITY: New York
STATE: New York
COUNTRY: USA
ZIP: 10036
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/876,078
FILING DATE:
CLASSIFICATION: 514
ATTORNEY/AGENT INFORMATION:
NAME: White, John P
REGISTRATION NUMBER: 28678
REFERENCE/DOCKET NUMBER: 50875-D/GPW/AWC
TELECOMMUNICATION INFORMATION:
TELEPHONE: 212-278-0400
TELEFAX: 212-391-0525
INFORMATION FOR SEQ ID NO: 5:
SEQUENCE CHARACTERISTICS:
LENGTH: 60 amino acids
TYPE: amino acid
STRANDEDNESS: n/a
TOPOLOGY: n/a
MOLECULE TYPE: protein
US-08-876-078-5

```

```

Query Match          93.7%; Score 322; DB 3; Length 60;
Best Local Similarity 100.0%; Pred. No. 3.9e-32;
Matches 60; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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QY 8 PCCFAVIAIPPLPAHIFKFFVYSGKSNPAVVFVTPRPNQVCANPEYVWVEYINSLEMS 67  
DB 1 PCCFAVIAIPPLPAHIFKFFVYSGKSNPAVVFVTPRPNQVCANPEYVWVEYINSLEMS 60

## RESULT 5

US-08-831-823-5  
Sequence 15, Application US/0881923  
Patent No. 634454  
GENERAL INFORMATION:  
APPLICANT: Allaway, Graham P  
APPLICANT: Li-Win, Virginia M  
APPLICANT: Matison, Paul J  
APPLICANT: O'Shea, William C  
TITLE OF INVENTION: A Method For Preventing HIV-1 Infection of T4  
NUMBER OF SEQUENCES: 27  
CORRESPONDENCE ADDRESS:  
ADDRESSER: Cooper & Dunham LLP  
STREET: 1183 Avenue of the Americas  
CITY: New York  
STATE: New York  
COUNTRY: USA  
ZIP: 10036

COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC DOS/MS-DOS  
SOFTWARE: Patent Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/831,823  
FILING DATE:  
CLASSIFICATION: 514

ATTORNEY/AGENT INFORMATION:  
NAME: White, John P  
REGISTRATION NUMBER: 28678  
REFERENCE/DOCKET NUMBER: 59875-D/JPW/KKC  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 212 278-0400  
TELEFAX: 212-391-0525  
INFORMATION FOR SEQ ID NO: 5:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 63 amino acids  
TYPE: amino acid  
STRANDEDNESS: n/a  
TOPOLOGY: c/a  
MOLECULE TYPE: Protein

US-08-831-823-5

Match 89.7% Score 323; DB 4; Length 60;  
Best Local Similarity 100.0%; Pred. No. 1,90-12;  
Matches 60; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 8 PCCFAVIAIPPLPAHIFKFFVYSGKSNPAVVFVTPRPNQVCANPEYVWVEYINSLEMS 67  
DB 1 PCCFAVIAIPPLPAHIFKFFVYSGKSNPAVVFVTPRPNQVCANPEYVWVEYINSLEMS 60

## RESULT 6

US-08-330-163-15  
Sequence 15, Application US/0881923  
Patent No. 5656724  
GENERAL INFORMATION:  
APPLICANT: Daly, Thomas J.  
APPLICANT: Laposa, Gregory J.  
TITLE OF INVENTION: Chemokine-like Proteins and Methods of  
TITLE OF INVENTION: Use  
NUMBER OF SEQUENCES: 46  
CORRESPONDENCE ADDRESS:  
ADDRESSER: Fish & Richardson  
STREET: 225 Franklin Street  
CITY: Boston  
STATE: MA

COUNTRY: U.S.A.  
CITY: 02110 2874  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC DOS/MS-DOS  
SOFTWARE: Patent Release #1.0, Version #1.30

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/330,163

FILING DATE: 05-AUG-1995

CLASSIFICATION: 514

ATTORNEY/AGENT INFORMATION:

NAME: Fasse, G. Peter

REGISTRATION NUMBER: 42,093

REFERENCE/DOCKET NUMBER: 59875-D/JPW/KKC

TELECOMMUNICATION INFORMATION:

TELEPHONE: (617) 542-4070

TELEFAX: (617) 542-4070

INFORMATION FOR SEQ ID NO: 15:

SEQUENCE CHARACTERISTICS:

LENGTH: 65 amino acids

TYPE: amino acid

STRANDEDNESS: single

TOPOLOGY: linear

MOLECULE TYPE: Protein

US-08-330-163-15

Query Match 89.7% Score 145; DB 1;  
Best Local Similarity 100.0%; Pred. No. 4,70-1;  
Matches 33; Conservative 13; Mismatches 1;

QY 3 SSETPCFAVIAIPPLPAHIFKFFVYSGKSNPAVVFVTPRPNQVCANPEYVWVEYINSLEMS 67  
DB 1 SSETPCFAVIAIPPLPAHIFKFFVYSGKSNPAVVFVTPRPNQVCANPEYVWVEYINSLEMS 60

QY 63 STEM 66  
DB 62 DIET 65

## RESULT 7

US-08-482-111-15  
Sequence 15, Application US/08844111  
Patent No. 5789539  
GENERAL INFORMATION:  
APPLICANT: Daly, Thomas J.  
APPLICANT: Laposa, Gregory J.  
TITLE OF INVENTION: Chemokine-like Proteins  
NUMBER OF SEQUENCES: 72  
CORRESPONDENCE ADDRESS:  
ADDRESSER: Fish & Richardson P.C.  
STREET: 225 Franklin Street  
CITY: Boston  
STATE: MA  
COUNTRY: U.S.A.  
ZIP: 02110 2874  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC DOS/MS-DOS  
SOFTWARE: Patent Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/482,111  
FILING DATE: 07-JUN-1995  
CLASSIFICATION: 514  
ATTORNEY/AGENT INFORMATION:  
NAME: Fasse, G. Peter  
REGISTRATION NUMBER: 42,093  
REFERENCE/DOCKET NUMBER: 59875-D/JPW/KKC  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (617) 542-4070  
TELEFAX: (617) 542-4070

INFORMATION FOR SEQ ID NO: 11  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 65 amino acids  
 TYPE: amino acid  
 STRANDEDNESS: single  
 TOPOLOGY: linear  
 MOLECULE TYPE: peptide  
 US-08-482-111-15

Query Match 52.7% Score 195; DB 1; Length 65;  
 Best Local Similarity 51.7% Pct Id 47.7%  
 Matches 33; Conservative 13; Mismatches 19; Indels 0; Gaps 0

QY 2 SEITPTGCAVYIAPPLPAHIREYVTSK 62  
 DB 2 SPPPTACGSPYAPKIPNFVIVYETSLGCPAVVPCQPSKVCADPSWVQEVVY 61  
 QY 63 SLEM 66  
 DB 62 DUEL 65

RESULT 8  
 US-09-141-833-4  
 Sequence 4, Application US/09141833  
 Patent No. 6168784

GENERAL INFORMATION:  
 APPLICANT: GERRARD, POBIN E  
 APPLICANT: THOMPSON, JILL  
 APPLICANT: WILKINSON, JILL  
 TITLE OF INVENTION: N-TERMINAL MODIFICATIONS OF PATTERN AND METHOD OF USE  
 FILE REFERENCE: GREN 026/0303  
 CURRENT APPLICATION NUMBER: US/09/141,833  
 EARLIER FILING DATE: 1998-08-28  
 EARLIER APPLICATION NUMBER: 60/056,292  
 EARLIER FILING DATE: 1997-03-03  
 EARLIER APPLICATION NUMBER: 60/077,874  
 EARLIER FILING DATE: 1998-03-13  
 EARLIER APPLICATION NUMBER: 60/090,834  
 EARLIER FILING DATE: 1998-06-26  
 NUMBER OF SEQ ID NOS: 16  
 SOFTWARE: Patent In Ver. 2.0  
 SEQ ID NO: 4  
 LENGTH: 35  
 TYPE: PRT  
 ORGANISM: Homo sapiens  
 US-09-141-833-4

Query Match 50.8% Score 188; DB 4; Length 35;  
 Best Local Similarity 100.0% Pct Id 60-15;  
 Matches 35; Conservative 0; Mismatches 0; Indels 0; Gaps 0

QY 33 GSRPAVVFVTPRQVCAVCAPEKREYVTSK 67  
 DB 1 CSNPAAVVFVTPRQVCAVCAPEKREYVTSK 35

RESULT 9  
 US-09-141-833-3  
 Sequence 3, Application US/09141833  
 Patent No. 6168784  
 GENERAL INFORMATION:  
 APPLICANT: GERRARD, POBIN E  
 APPLICANT: THOMPSON, JILL  
 APPLICANT: WILKINSON, JILL  
 TITLE OF INVENTION: N-TERMINAL MODIFICATIONS OF PATTERN AND METHOD OF USE  
 FILE REFERENCE: GREN 026/0303  
 CURRENT APPLICATION NUMBER: US/09/141,833  
 EARLIER FILING DATE: 1998-08-28  
 EARLIER APPLICATION NUMBER: 60/056,292  
 EARLIER FILING DATE: 1997-03-03  
 EARLIER APPLICATION NUMBER: 60/077,874  
 EARLIER FILING DATE: 1998-06-26

EARLIER APPLICATION NUMBER: 60/090,834  
 EARLIER FILING DATE: 1998-06-26  
 NUMBER OF SEQ ID NOS: 16  
 SOFTWARE: Patent In Ver. 2.0  
 SEQ ID NO: 3  
 LENGTH: 32  
 TYPE: PRT  
 ORGANISM: Homo sapiens  
 US-09-141-833-3

Query Match 49.7% Score 182; DB 4; Length 32;  
 Best Local Similarity 100.0% Pct Id 75-15;  
 Matches 32; Conservative 0; Mismatches 0; Indels 0; Gaps 0

QY 1 PYSSDTTCCFAYIAPPLPAHIREYVTSK 32  
 DB 1 PYSSDTTCCFAYIAPPLPAHIREYVTSK 32

RESULT 10  
 US-09-141-833-6  
 Sequence 6, Application US/09141833  
 Patent No. 6168784

GENERAL INFORMATION:  
 APPLICANT: GERRARD, POBIN E  
 APPLICANT: THOMPSON, JILL  
 APPLICANT: WILKINSON, JILL  
 TITLE OF INVENTION: N-TERMINAL MODIFICATIONS OF PATTERN AND METHOD OF USE  
 FILE REFERENCE: GREN 026/0303  
 CURRENT APPLICATION NUMBER: US/09/141,833  
 EARLIER FILING DATE: 1998-08-28  
 EARLIER APPLICATION NUMBER: 60/056,292  
 EARLIER FILING DATE: 1997-03-03  
 EARLIER APPLICATION NUMBER: 60/077,874  
 EARLIER FILING DATE: 1998-03-13  
 EARLIER APPLICATION NUMBER: 60/090,834  
 EARLIER FILING DATE: 1998-06-26  
 NUMBER OF SEQ ID NOS: 16  
 SOFTWARE: Patent In Ver. 2.0  
 SEQ ID NO: 6  
 LENGTH: 33  
 TYPE: PRT  
 ORGANISM: Homo sapiens  
 US-09-141-833-6

Query Match 49.3% Score 182; DB 4; Length 33;  
 Best Local Similarity 100.0% Pct Id 75-15;  
 Matches 32; Conservative 0; Mismatches 0; Indels 0; Gaps 0

QY 1 PYSSDTTCCFAYIAPPLPAHIREYVTSK 32  
 DB 2 PYSSDTTCCFAYIAPPLPAHIREYVTSK 33

RESULT 11  
 US-07-927-391-3  
 Sequence 3, Application US/07927391  
 Patent No. 6001649

GENERAL INFORMATION:  
 APPLICANT: CAPOT, Daniel  
 APPLICANT: FERARA, Pascual  
 APPLICANT: MILOUX, Brigitte  
 APPLICANT: MINTY, Adrian  
 APPLICANT: VITA, Natalio  
 TITLE OF INVENTION: Protein having a cytokin type  
 TITLE OF INVENTION: Activity and function of the expression vector and host  
 NUMBER OF SEQUENCES: 25  
 CORRESPONDENCE ADDRESS:  
 ADDRESSEE: FOLEY & LARDNER  
 STREET: King Street Station, Suite 600, 1000 diagonal  
 STREET: P.O. Box 209  
 CITY: ALEXANDRIA



RESULT 14

US-09-419-281-39

Sequence 39, Application US/09419281

Patent No. 6379926

GENERAL INFORMATION:

APPLICANT: KREIDER, BRENT L.

RUBEN, STEVEN M.

OLSEN, HENRIK S.

TITLE OF INVENTION: CHEMOKINE RECEPTOR ANTAGONISTS

NUMBER OF SEQUENCES: 114

CORRESPONDENCE ADDRESS:

ADDRESSEE: STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.

STREET: 1100 NEW YORK AVENUE, SUITE 600

CITY: WASHINGTON

STATE: DC

COUNTRY: USA

ZIP: 20005-3934

COMPUTER READABLE FORM:

MEDIUM TYPE: FLOPPY disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patentin Release #1.0, Version #1.30

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/419,281

FILING DATE: 15-Oct-1999

CLASSIFICATION: <Unknown>

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 08/995,156

FILING DATE: <Unknown>

ATTORNEY/AGENT INFORMATION:

NAME: STEFFE, ERIC K

REGISTRATION NUMBER: 36,688

REFERENCE/DOCKET NUMBER: 1488,0340004

TELECOMMUNICATION INFORMATION:

TELEPHONE: 202-371-2540

TELEFAX: 202-371-2540

INFORMATION FOR SEQ ID NO: 39:

SEQUENCE CHARACTERISTICS:

LENGTH: 61 amino acids

TYPE: amino acid

TOPOLOGY: linear

MOLECULE TYPE: protein

SEQUENCE DESCRIPTION: SEQ ID NO: 39:

US-09-419-281-39

Query Match 33.1%; Score 122.5; DB 4; Length 61;

Best Local Similarity 30.0%; Pred. No. 13e-07;

Matches 18; Conservative 19; Mismatches 22; Indels 1; Gaps 1;

7 TPTTAVIAPLPLFAHKEFYTS-GRNSPAVAVPTKMPVVCANPEKWEYINSELE 65

2 SPQCMFVSPFPEFNPVSVYSSPSTLPVAVITPTVQVQFQIDPQWVFWYVND 61

RESULT 15

US-08-995-156A-40

Sequence 40, Application US/08995156A

Patent No. 6028169

GENERAL INFORMATION:

APPLICANT: KREIDER, BRENT L.

RUBEN, STEVEN M.

OLSEN, HENRIK S.

TITLE OF INVENTION: CHEMOKINE BETA-6 ANTAGONISTS

NUMBER OF SEQUENCES: 114

CORRESPONDENCE ADDRESS:

ADDRESSEE: STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.

STREET: 1100 NEW YORK AVENUE, SUITE 600

CITY: WASHINGTON

STATE: DC

COUNTRY: USA

ZIP: 20005-3934

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patentin Release #1.0, Version #1.30

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/995,156A

FILING DATE: 15-Mar-1997

CLASSIFICATION: 09/042,269

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 08/995,156

FILING DATE: 15-Mar-1997

ATTORNEY/AGENT INFORMATION:

NAME: STEFFE, ERIC K

REGISTRATION NUMBER: 36,688

REFERENCE/DOCKET NUMBER: 1488,0340004

TELECOMMUNICATION INFORMATION:

TELEPHONE: 202-371-2540

TELEFAX: 202-371-2540

INFORMATION FOR SEQ ID NO: 40:

SEQUENCE CHARACTERISTICS:

LENGTH: 62 amino acids

TYPE: amino acid

TOPOLOGY: linear

MOLECULE TYPE: protein

SEQUENCE DESCRIPTION: SEQ ID NO: 40:

US-09-537-858c-1

Query Match 33.1%; Score 122.5; DB 3; Length 62;

Best Local Similarity 30.0%; Pred. No. 14e-07;

Matches 18; Conservative 19; Mismatches 22; Indels 1; Gaps 1;

7 TPTTAVIAPLPLFAHKEFYTS-GRNSPAVAVPTKMPVVCANPEKWEYINSELE 65

2 SPQCMFVSPFPEFNPVSVYSSPSTLPVAVITPTVQVQFQIDPQWVFWYVND 61

Job time: 14 secs

February 8, 2003, 11:21:53



Figure 4

[illegible]

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1  NUMBER OF SEQ ID NOS: 54
2  SOFTWARE: Patentin Ver. 2.1
3  SEQ ID NO: 37
4  LENGTH: 66
5  TYPE: PRT
6  ORGANISM: Artificial Sequence
7  FEATURE:
8  OTHER INFORMATION: Description of Artificial Sequence: Synthetic
9  US-09-144-838-37
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11 Query Match 74.1%; Score 269; DB 10; Length 66;
12 Best Loc1 Similarity: 96.8%; Pctd No 7 34-75;
13 Matches 46; Conservative 5; Mismatches 2; Indels 0; Gaps 0;
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16 2 CCFATAPPLPFAHIFRFFFTGRTGTHFAVAVVCPCHQVACAEFFWVDEYI 61
17
18 RE 3
19 US 144-838-35
20 Sequence 35; Application US/09144838A
21 Patent No. US20020051966A1
22 GENERAL INFORMATION:
23 APPLICANT: Stani, Michael A.
24 APPLICANT: Wilken, Jill
25 APPLICANT: Simon, Reyna
26 APPLICANT: Kent, Stephen P.H.
27 TITLE OF INVENTION: Modular Libraries and Methods of Preparation.
28 FILE REFERENCE: GPN 020/0105
29 CURRENT ABELIZATION NUMBER: 15/09/144,838A
30 CURRENT FILING DATE: 1998-08-31
31 EARLIER APPLICATION NUMBER: US 60/057,620
32 EARLIER FILING DATE: 1997-09-04
33 NUMBER OF SEQ ID NOS: 54
34 SOFTWARE: Patentin Ver. 2.1
35 SEQ ID NO: 35
36 LENGTH: 66
37 TYPE: PRT
38 ORGANISM: Artificial Sequence
39 FEATURE:
40 OTHER INFORMATION: Description of Artificial Sequence: Synthetic
41 US-09-144-838-35
42
43 Query Match 58.4%; Score 212; DB 10; Length 66;
44 Best Loc1 Similarity: 67.3%; Pctd No 3 12-19;
45 Matches 36; Conservative 7; Mismatches 10; Indels 0; Gaps 0;
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47 1 CCFATAPPLPFAHIFRFFFTGRTGTHFAVAVVCPCHQVACAEFFWVDEYI 60
48 2 CCFATAPPLPFAHIFRFFFTGRTGTHFAVAVVCPCHQVACAEFFWVDEYI 61
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50 RESULT 4
51 US 07 144 839 22
52 Sequence 22; Application US/07144839A
53 Patent No. US20020051966A1
54 GENERAL INFORMATION:
55 APPLICANT: Stani, Michael A.
56 APPLICANT: Wilken, Jill
57 APPLICANT: Simon, Reyna
58 APPLICANT: Kent, Stephen B.H.
59 TITLE OF INVENTION: Modular Libraries and Methods of Preparation.
60 FILE REFERENCE: GPN 020/0105
61 CURRENT APPLICATION NUMBER: US/07/144,839A
62 CURRENT FILING DATE: 1998-08-31
63 EARLIER APPLICATION NUMBER: US 60/057,620
64 EARLIER FILING DATE: 1997-09-04
65 NUMBER OF SEQ ID NOS: 54
66 SOFTWARE: Patentin Ver. 2.1
67 SEQ ID NO: 33
68 LENGTH: 65
69 TYPE: PRT

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1 ORGANISM: Artificial Sequence
2 FEATURE:
3 OTHER INFORMATION: Description of Artificial Sequence: Synthetic
4 US-09-144-839-22
5
6 Query Match 51.8% Score 189; EB 10; Length 357
7 Best Local Similarity 100.0%; Pred. No. 1e-15;
8 Matches 35; Conservation 17; Mismatches 0; Indels 0; Gaps 0;
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12 1 CSNPAAVEVFVTRPQVYANFPYPMYPRVYINLSLS 35
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Page 1

GenCore version 5.1.3  
Copyright 1997-2000, Genengen, Inc.

OW protein - protein search, using sw model

Run on: February 8, 2003, 11:20:35 ; Search time 14 Seconds  
(without alignments)  
139,708 Million cell updates/sec

Title: US-09-537-858c-1\_copy\_26\_91

Perfect score: 363  
Sequence: 1 YSSDTFPGHVAIAAPLFA.....WQNFHWREYNSLENS G

Scoring table: BLOSUM62  
Gap: 10.0, Gapext 0.5

Searched: 263874 seqs, 2942222 residues

Number of hits satisfying chosen parameters: 187022

Minimum DB seq length: 0  
Maximum DB seq length: 66

Post-processing: Maximum Match 94  
Matching first 40 summaries

Database: Issued Patents AA\*

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2: /qgn2.6/prodata/1/aa/5B-OWB.pep.\*  
3: /qgn2.6/prodata/1/aa/6A-OWB.pep.\*  
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5: /qgn2.6/prodata/1/aa/PTGS-OWB.pep.\*  
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

# SUMMARIES

Result No.	Score	Query Match	Length	FR	ID	Description
1	346	95.3	66	1	US-08-330-163-14	Sequence 14, Appl
2	346	95.3	66	1	US-08-482-111-14	Sequence 14, Appl
3	342	91.5	60	3	US-08-876-078-5	Sequence 5, Appl
4	332	91.5	60	4	US-08-831-823-5	Sequence 5, Appl
5	195	51.7	65	1	US-08-230-163-15	Sequence 15, Appl
6	195	51.7	65	1	US-08-482-111-15	Sequence 15, Appl
7	188	51.9	35	4	US-09-141-821-4	Sequence 4, Appl
8	176	48.2	32	4	US-09-141-821-4	Sequence 4, Appl
9	175	48.2	32	4	US-09-141-821-4	Sequence 4, Appl
10	125.5	34.6	61	3	US-07-927-391-3	Sequence 3, Appl
11	125.5	34.6	61	3	US-07-927-391-3	Sequence 3, Appl
12	122.5	33.7	61	3	US-08-995-156A-39	Sequence 39, Appl
13	122.5	33.7	61	4	US-09-419-281-39	Sequence 39, Appl
14	122.5	33.7	62	3	US-08-995-156A-35	Sequence 40, Appl
15	122.5	33.7	62	3	US-08-995-156A-35	Sequence 40, Appl
16	122.5	33.7	62	4	US-09-419-281-40	Sequence 40, Appl
17	122.5	33.7	62	4	US-09-419-281-40	Sequence 40, Appl
18	122.5	33.7	63	3	US-08-995-156A-41	Sequence 41, Appl
19	122.5	33.7	63	3	US-08-995-156A-41	Sequence 41, Appl
20	122.5	33.7	63	4	US-09-419-281-41	Sequence 41, Appl
21	122.5	33.7	63	4	US-09-419-281-41	Sequence 41, Appl
22	122.5	33.7	64	3	US-08-995-156A-42	Sequence 42, Appl
23	122.5	33.7	64	3	US-08-995-156A-42	Sequence 42, Appl
24	122.5	33.7	64	4	US-09-419-281-42	Sequence 42, Appl
25	122.5	33.7	64	4	US-09-419-281-42	Sequence 42, Appl
26	122.5	33.7	65	3	US-08-995-156A-43	Sequence 43, Appl
27	122.5	33.7	65	3	US-08-995-156A-43	Sequence 43, Appl

# ALIGNMENTS

28	122.5	33.7	67	4	US-09-419-281-43	
29	122.5	33.7	67	4	US-09-419-281-43	
30	122.5	33.7	67	4	US-09-419-281-43	
31	122.5	33.7	67	4	US-08-995-156A-44	
32	122.5	33.7	67	4	US-09-419-281-44	
33	122.5	33.7	67	4	US-09-419-281-44	
34	120.5	33.2	67	3	US-08-995-156A-45	
35	120.5	33.2	67	4	US-09-419-281-45	
36	120.5	33.2	67	4	US-08-995-156A-46	
37	120.5	33.2	67	4	US-09-419-281-46	
38	116.5	32.1	67	3	US-08-995-156A-47	
39	116.5	32.1	67	4	US-09-419-281-47	
40	116.5	32.1	67	4	US-08-995-156A-48	
41	116.5	32.1	67	4	US-09-419-281-48	
42	115.5	31.8	67	4	US-08-995-156A-49	
43	115.5	31.8	67	4	US-09-419-281-49	
44	115.5	31.8	67	4	US-08-995-156A-50	
45	115.5	31.8	67	3	US-08-995-156A-51	

# RESULT 1

US-08-330-163-14

Sequence 14, Application: 08/08/0163

Patent No. 5666724

GENERAL INFORMATION:

APPLICANT: Daiichi, Thomas O.

INVENTOR: LARSEN, Gregory D.

TITLE OF INVENTION: Phosphatidylcholine Phospholipids

NUMBER OF SEQUENCE: 4

CORRESPONDENCE ADDRESS:

ADDRESS: 1150 N. 1st Avenue

STREET: 225 Franklin Street

CITY: Boston

STATE: MA

COUNTRY: U.S.A.

ZIP: 02110-2884

COMPUTER READABLE FORM:

MEDIUM TYPE: floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC DOS/MS-DOS

SOFTWARE: Entrez Release #1.0, Version 8.0

CURRENT APPLICATION DATA:

APPLICATION NUMBER: 08/08/0163

FILING DATE: 08/08/01

CLASSIFICATION: 517

ATTORNEY/AGENT INFORMATION:

NAME: Fosse, J. Peter

REGISTRATION NUMBER: 12,191

REFERENCE/SECRET NUMBER: 08/08/0163

TELECOMMUNICATION INFORMATION:

TELEPHONE: (617) 542-8976

TELEFAX: (617) 542-8976

INFORMATION FOR SEQ ID NO: 14:

SEQUENCE CHARACTERISTICS:

LENGTH: 66 amino acids

TYPE: amino acid

STRANDEDNESS: single

TOPOLOGY: linear

MOLECULE TYPE: protein

US-08-330-163-14

Query Match

Best Local Similarity

Matches: 63, Conservation: 0.0, Mismatches:

1 YSSDTFPGHVAIAAPLFA.....WQNFHWREYNSLENS G

2 YSSDTFPGHVAIAAPLFA.....WQNFHWREYNSLENS G

3 YSSDTFPGHVAIAAPLFA.....WQNFHWREYNSLENS G

# US-08-330-163-14

Sequence 14, Application: 08/08/0163

Patent No. 5666724

GENERAL INFORMATION:

APPLICANT: Daiichi, Thomas O.

INVENTOR: LARSEN, Gregory D.

TITLE OF INVENTION: Phosphatidylcholine Phospholipids

NUMBER OF SEQUENCE: 4

CORRESPONDENCE ADDRESS:

ADDRESS: 1150 N. 1st Avenue

STREET: 225 Franklin Street

CITY: Boston

STATE: MA

COUNTRY: U.S.A.

ZIP: 02110-2884

COMPUTER READABLE FORM:

MEDIUM TYPE: floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC DOS/MS-DOS

SOFTWARE: Entrez Release #1.0, Version 8.0

CURRENT APPLICATION DATA:

APPLICATION NUMBER: 08/08/0163

FILING DATE: 08/08/01

CLASSIFICATION: 517

ATTORNEY/AGENT INFORMATION:

NAME: Fosse, J. Peter

REGISTRATION NUMBER: 12,191

REFERENCE/SECRET NUMBER: 08/08/0163

TELECOMMUNICATION INFORMATION:

TELEPHONE: (617) 542-8976

TELEFAX: (617) 542-8976

INFORMATION FOR SEQ ID NO: 14:

SEQUENCE CHARACTERISTICS:

LENGTH: 66 amino acids

TYPE: amino acid

STRANDEDNESS: single

TOPOLOGY: linear

MOLECULE TYPE: protein

US-08-330-163-14

Query Match

Best Local Similarity

Matches: 63, Conservation: 0.0, Mismatches:

1 YSSDTFPGHVAIAAPLFA.....WQNFHWREYNSLENS G

2 YSSDTFPGHVAIAAPLFA.....WQNFHWREYNSLENS G

3 YSSDTFPGHVAIAAPLFA.....WQNFHWREYNSLENS G

QY 61 NSELM 66  
 11111  
 Db 62 NSELM 66

# RESULT 2

US-08-482-111-14

Sequence 14, Application US/004402111

Patent No. 5789539

GENERAL INFORMATION

APPLICANT: Daly, Thomas J.

APPLICANT: Labrecq, Gregory J.

TITLE OF INVENTION: Chemically stable proteins and methods of

TITLE OF INVENTION: Use

NUMBER OF SEQUENCES: 70

CORRESPONDENCE ADDRESS:

ADDRESSEE: Fish & Richardson P.C.

STREET: 225 Franklin Street

CITY: Boston

STATE: MA

COUNTRY: U.S.A.

ZIP: 02110 2904

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patentin Release #1 0, Version #1 300

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/442,111

FILING DATE: 07-JUN-1995

CLASSIFICATION: 514

ATTORNEY/AGENT INFORMATION:

NAME: Rasse, J. Peter

REGISTRATION NUMBER: 32,983

REFERENCE/INVENTOR INFORMATION:

TELECOMMUNICATION INFORMATION:

TELEPHONE: (617) 542-5070

TELEFAX: (617) 542-5070

INFORMATION FOR SEQ. ID NO: 14:

SEQUENCE CHARACTERISTICS:

LENGTH: 66 amino acids

TYPE: amino acid

STRANDEDNESS: single

TOPOLOGY: linear

MOLECULE TYPE: peptide

US-08-482-111-14

Query Match 95.3%, Score 346, DB 1, Length 66,  
 Best Local Similarity 96.9%, Pred. No. 3, 2e 34,  
 Matches 63, Conservative 0, Mismatches 0, Indels 0, Gaps 0

QY 61 NSELM 65  
 11111  
 Db 62 NSELM 66

QY 61 NSELM 65  
 11111  
 Db 62 NSELM 66

# RESULT 3

US-08-876-078-5

Sequence 5, Application US/004402104

Patent No. 6107019

GENERAL INFORMATION

APPLICANT: Allaway, Graham P.

APPLICANT: Litwin, Virginia M.

APPLICANT: Maddon, Paul J.

APPLICANT: Olson, William C.

TITLE OF INVENTION: A Method For Preventing HIV-1

TITLE OF INVENTION: Infection of CD4+ Cells

NUMBER OF SEQUENCES: 17

CORRESPONDENCE ADDRESS:

ADDRESSEE: Cooper & Dunham LLP

STREET: 1185 Avenue of the Americas

CITY: New York

STATE: New York

COUNTRY: USA

ZIP: 10036

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patentin Release #1 0, Version #1 30

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/876,078

FILING DATE:

CLASSIFICATION: 514

ATTORNEY/AGENT INFORMATION:

NAME: White, John P.

REGISTRATION NUMBER: 28678

REFERENCE/INVENTOR INFORMATION:

TELECOMMUNICATION INFORMATION:

TELEPHONE: 212-278-0400

TELEFAX: 212-278-0525

INFORMATION FOR SEQ. ID NO: 5:

SEQUENCE CHARACTERISTICS:

LENGTH: 60 amino acids

TYPE: amino acid

STRANDEDNESS: N/A

TOPOLOGY: n/a

MOLECULE TYPE: protein

US-08-876-078-5

Query Match 91.5%, Score 340, DB 3, Length 60,  
 Best Local Similarity 100.0%, Pred. No. 1, 3e 32,  
 Matches 60, Conservative 0, Mismatches 0, Indels 0, Gaps 0

QY 61 NSELM 66  
 11111  
 Db 62 NSELM 66

QY 61 NSELM 66  
 11111  
 Db 62 NSELM 66

# RESULT 4

US-08-831-823-5

Sequence 5, Application US/08831823

Patent No. 6344545

GENERAL INFORMATION:

APPLICANT: Allaway, Graham P.

APPLICANT: Litwin, Virginia M.

APPLICANT: Maddon, Paul J.

APPLICANT: Olson, William C.

TITLE OF INVENTION: A Method For Preventing HIV-1

TITLE OF INVENTION: Infection of CD4+

NUMBER OF SEQUENCES: 27

CORRESPONDENCE ADDRESS:

ADDRESSEE: Cooper & Dunham LLP

STREET: 1185 Avenue of the Americas

CITY: New York

STATE: New York

COUNTRY: USA

ZIP: 10036

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patentin Release #1 0, Version #1 30

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/831,823

FILING DATE:

CLASSIFICATION: 514

ATTORNEY/AGENT INFORMATION:

NAME: White, John P.

REGISTRATION NUMBER: 28678

REFERENCE/INVENTOR INFORMATION:

TELECOMMUNICATION INFORMATION:

TELEPHONE: 212-278-0400

Sat Feb 8 11:21:30 2003

us-09-537-858c-1\_copy\_27\_91.closed.rapb

Page 1

GenCore version 5.1.3  
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OM Protein - Protein search, using sw model

Run on: February 8, 2003, 11:20:15, Search time 11 Seconds

(without alignments)  
131 000 Million cell updates/sec

Title: US-09-537-858c-1\_copy\_27\_91  
Perfect score: 356  
Sequence: 1 PPTFAIAFLP...  
Sequence: 1 PPTFAIAFLP...  
Sequence: 1 PPTFAIAFLP...

Scoring Table: BLOSUM62  
Gap: 10.0, Gapext: 0.5

Search: 120,000 seqs, 20,000,000 positions

To: Number of hits satisfying chosen parameters: 4493

Minimum DB seq length: 0  
Maximum DB seq length: 65

Post-processing: Maximum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

Database:

Published Applications AA:  
1: /usr6/6/ft-data/2/futpaa/7500\_NEW\_PUB.pep.\*  
2: /usr6/6/ft-data/2/futpaa/7500\_NEW\_PUB.pep.\*  
3: /usr6/6/ft-data/2/futpaa/7500\_NEW\_PUB.pep.\*  
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11: /usr6/6/ft-data/2/futpaa/7500\_NEW\_PUB.pep.\*  
12: /usr6/6/ft-data/2/futpaa/7500\_NEW\_PUB.pep.\*  
13: /usr6/6/ft-data/2/futpaa/7500\_NEW\_PUB.pep.\*  
14: /usr6/6/ft-data/2/futpaa/7500\_NEW\_PUB.pep.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	332	93.3	60	US-09-888-938-5	Sequence 5, Appl 1
2	186	62.4	34	US-09-144-838-15	Sequence 22, Appl 1
3	168	47.2	33	US-09-144-838-15	Sequence 16, Appl 1
4	157.5	44.2	34	US-09-144-838-15	Sequence 15, Appl 1
5	137	38.5	32	US-09-144-838-14	Sequence 14, Appl 1
6	132	37.1	34	US-09-144-838-21	Sequence 21, Appl 1
7	131	36.8	35	US-09-144-838-20	Sequence 20, Appl 1
8	128	36.0	34	US-09-144-838-13	Sequence 13, Appl 1
9	127	35.7	40	US-09-835-107-33	Sequence 13, Appl 1
10	127	35.7	54	US-09-835-107-33	Sequence 13, Appl 1
11	107.5	30.2	54	US-09-792-692-1244	Sequence 12, Appl 1
12	100.5	28.2	54	US-09-792-692-1244	Sequence 12, Appl 1
13	88	24.7	54	US-09-864-761-48509	Sequence 12, Appl 1
14	83	23.3	33	US-09-864-761-48509	Sequence 12, Appl 1
15	75	21.1	34	US-09-144-838-19	Sequence 19, Appl 1
16	66	18.5	37	US-09-864-761-48509	Sequence 19, Appl 1
17	60	16.9	34	US-09-864-761-48509	Sequence 19, Appl 1
18	60	16.9	37	US-09-864-761-48509	Sequence 19, Appl 1
19	54.5	15.3	33	US-09-144-838-17	Sequence 17, Appl 1

20	51.5	14.5	34	US-09-888-938-5	Sequence 5, Appl 1
21	51	14.3	34	US-09-888-938-5	Sequence 5, Appl 1
22	51	14.3	34	US-09-888-938-5	Sequence 5, Appl 1
23	51	14.3	34	US-09-888-938-5	Sequence 5, Appl 1
24	51	14.3	34	US-09-888-938-5	Sequence 5, Appl 1
25	51	14.3	34	US-09-888-938-5	Sequence 5, Appl 1
26	49	13.8	34	US-09-888-938-5	Sequence 5, Appl 1
27	49	13.8	34	US-09-888-938-5	Sequence 5, Appl 1
28	49	13.8	34	US-09-888-938-5	Sequence 5, Appl 1
29	49	13.8	34	US-09-888-938-5	Sequence 5, Appl 1
30	48	13.5	34	US-09-888-938-5	Sequence 5, Appl 1
31	48	13.5	34	US-09-888-938-5	Sequence 5, Appl 1
32	48	13.5	34	US-09-888-938-5	Sequence 5, Appl 1
33	48	13.5	34	US-09-888-938-5	Sequence 5, Appl 1
34	47	13.2	34	US-09-888-938-5	Sequence 5, Appl 1
35	47	13.2	34	US-09-888-938-5	Sequence 5, Appl 1
36	47	13.2	34	US-09-888-938-5	Sequence 5, Appl 1
37	47	13.2	34	US-09-888-938-5	Sequence 5, Appl 1
38	46	12.9	34	US-09-888-938-5	Sequence 5, Appl 1
39	45.5	12.8	34	US-09-888-938-5	Sequence 5, Appl 1
40	45	12.6	34	US-09-888-938-5	Sequence 5, Appl 1
41	45	12.6	34	US-09-888-938-5	Sequence 5, Appl 1
42	45	12.6	34	US-09-888-938-5	Sequence 5, Appl 1
43	44.5	12.5	34	US-09-888-938-5	Sequence 5, Appl 1
44	44	12.4	34	US-09-888-938-5	Sequence 5, Appl 1
45	44	12.4	34	US-09-888-938-5	Sequence 5, Appl 1

ALIGNMENTS

RESULT 1  
US-09-888-938-5  
Sequence 5, Appl 1  
Patent No. US-09-888-938-5  
GENERAL INFORMATION:  
APPLICANT: Graham P. Allway  
TITLE OF INVENTION: A Method for Identifying HIV  
FILE REFERENCE: US-09-888-938-5  
CURRENT APPLICATION NUMBER: US-09-888-938-5  
CURRENT FILING DATE: 1998-06-26  
NUMBER OF SEQ ID NOS: 2  
SOFTWARE: Patent Office  
SEQ ID NO 5  
LENGTH: 60  
TYPE: PRT  
ORGANISM: Homo sapiens  
US-09-888-938-5  
Query Match  
Best Local Similarity: 100.0%  
Matches: 60, Conserved: 60, Mismatch: 0  
US-09-144-838-22  
Sequence 22, Appl 1  
Patent No. US-09-144-838-22  
GENERAL INFORMATION:  
APPLICANT: Stani, Michael A.  
APPLICANT: Wilken, Jill  
APPLICANT: Simon, Peyton  
TITLE OF INVENTION: Modular Protein Libraries and  
FILE REFERENCE: US-09-144-838-22  
CURRENT APPLICATION NUMBER: US-09-144-838-22  
CURRENT FILING DATE: 1998-06-26  
EARLIER APPLICATION NUMBER: US-09-144-838-22  
EARLIER FILING DATE: 1998-06-26

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NUMBER OF SEQ IDS: 34
SOFTWARE: Patent Ver. 2.1
SEQ ID NO: 22
LENGTH: 35
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: Synthetic
US-09-144-838-22

Query Match          52.8%, Score 189, DB 10, Length 35;
Best Local Similarity 100.0%, Pred. No. 176-177;
Matches 35; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 31 CSNDVAVFTPPNPVNCANPEPPVPEYINSLEMS 65
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Db 1 CSNNAVVEVTEVVEVYVAFNREYVWEVYINSLEMS 65
|||||

US-09-144-838-15
Sequence 15, Application US/09144838A
Patent No. US20020061996A1
GENERAL INFORMATION:
APPLICANT: Stani, Michael A.
APPLICANT: Wilken, Jill
APPLICANT: Simon, Reyna
APPLICANT: Kent, Stephen B.H.
TITLE OF INVENTION: Modular Protein Libraries and Methods of Preparation
FILE REFERENCE: GFPN-020/01US
CURRENT FILING DATE: 1998-08-31
EARLIER FILING DATE: 1997-09-04
NUMBER OF SEQ IDS: 54
SOFTWARE: Patent Ver. 2.1
LENGTH: 33
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: Synthetic
US-09-144-838-15

Query Match          47.2%, Score 158, DB 10, Length 33;
Best Local Similarity 100.0%, Pred. No. 176-177;
Matches 33; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 SDDTPCCFAVIAPLPAPPIKEYFTSGK 30
|||||
Db 4 SDDTPCCFAVIAPLPAPPIKEYFTSGK 33
|||||

RESULT 4
US-09-144-838-16
Sequence 16, Application US/09144838A
Patent No. US20020061996A1
GENERAL INFORMATION:
APPLICANT: Stani, Michael A.
APPLICANT: Wilken, Jill
APPLICANT: Simon, Reyna
APPLICANT: Kent, Stephen B.H.
TITLE OF INVENTION: Modular Protein Libraries and Methods of Preparation
FILE REFERENCE: GFPN-020/01US
CURRENT FILING DATE: 1998-08-31
EARLIER FILING DATE: 1997-09-04
NUMBER OF SEQ IDS: 54
SOFTWARE: Patent Ver. 2.1
LENGTH: 34
TYPE: PRT

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ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: Synthetic
US-09-144-838-16

Query Match          44.2%, Score 157.5, DB 10, Length 34;
Best Local Similarity 96.9%, Pred. No. 206-207;
Matches 36; Conservative 0; Mismatches 0; Indels 1; Gaps 1;

QY 1 SDDTPCCFAVIAPLPAPPIKEYFTSGK 30
|||||
Db 4 SDDTPCCFAVIAPLPAPPIKEYFTSGK 34
|||||

RESULT 5
US-09-144-838-14
Sequence 14, Application US/09144838A
Patent No. US20020061996A1
GENERAL INFORMATION:
APPLICANT: Stani, Michael A.
APPLICANT: Wilken, Jill
APPLICANT: Simon, Reyna
APPLICANT: Kent, Stephen B.H.
TITLE OF INVENTION: Modular Protein Libraries and Methods of Preparation
FILE REFERENCE: GFPN-020/01US
CURRENT FILING DATE: 1998-08-31
EARLIER FILING DATE: 1997-09-04
NUMBER OF SEQ IDS: 54
SOFTWARE: Patent Ver. 2.1
LENGTH: 32
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: Synthetic
US-09-144-838-14

Query Match          38.5%, Score 137, DB 10, Length 32;
Best Local Similarity 100.0%, Pred. No. 76-10;
Matches 24; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 7 CCFAYIAPLPAPPIKEYFTSGK 30
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Db 9 CCFAYIAPLPAPPIKEYFTSGK 33
|||||

RESULT 6
US-09-144-838-21
Sequence 21, Application US/09144838A
Patent No. US20020061996A1
GENERAL INFORMATION:
APPLICANT: Stani, Michael A.
APPLICANT: Wilken, Jill
APPLICANT: Simon, Reyna
APPLICANT: Kent, Stephen B.H.
TITLE OF INVENTION: Modular Protein Libraries and Methods of Preparation
FILE REFERENCE: GFPN-020/01US
CURRENT FILING DATE: 1998-08-31
EARLIER FILING DATE: 1997-09-04
NUMBER OF SEQ IDS: 54
SOFTWARE: Patent Ver. 2.1
LENGTH: 34
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: Synthetic
US-09-144-838-21

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100

Db 1 PCCFVATAPLPVATIFPPVTSKCSNPAVVVIFPPNPAVAFPPVWVPPVINSLENS 69

RESULT 2  
US-08-831-823-5  
Calderon, F. Artillo, J. L. Rodriguez  
Patent No. 6344545

GENERAL INFORMATION:  
APPLICANT: Allaway, Graham P  
APPLICANT: Litwin, Virginia M  
APPLICANT: Madden, Paul J  
APPLICANT: O'Shea, William J  
TITLE OF INVENTION: A Method For Producing RNA: Infection of Cells  
NUMBER OF SEQUENCES: 27  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Pfizer & Parke LP  
STREET: 1185 Avenue of the Americas  
CITY: New York  
STATE: New York  
COUNTRY: USA  
ZIP: 10016

COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Project in P-1-45-#10, Version #1.30  
CUPPET APPLICATION DATA:  
APPLICATION NUMBER: 12/08/931.823

FILING DATE:  
CLASSIFICATION: 514  
ATTORNEY/AGENT INFORMATION:  
NAME: White, John P  
REGISTRATION NUMBER: 28678  
REFERENCE/DOCKET NUMBER: 508/5-D/JPW/AVC  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 212 278-0400  
TELEFAX: 212-391-0525  
INFORMATION FOR SEQ ID NO: 5:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 60 amino acids  
TYPE: amino acid  
STRANDEDNESS: n/a  
TOPOLOGY: n/a  
MOLECULE TYPE: protein  
US-08-831-823-5

Query Match: 93.3%, Score 320, DB 4, Length 60,  
Local Similarity 100%, Pos 1, Cn 12,  
Poses 60, Conservative 0, Mismatches 0, Indels 0, Gaps 0

Db 1 PCCFVATAPLPVATIFPPVTSKCSNPAVVVIFPPNPAVAFPPVWVPPVINSLENS 69

RESULT 3  
US-08-330-163-15  
Sejvar, J. Application US/08430163  
Patent No. 5656724

GENERAL INFORMATION:  
APPLICANT: Daly, Thomas J.  
APPLICANT: Labosa, Gregory J.  
TITLE OF INVENTION: Chemokine-Like Proteins and Methods of  
TITLE OF INVENTION: Use  
NUMBER OF SEQUENCES: 46  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Fitch & Richardson  
STREET: 225 Franklin Street  
CITY: Boston  
STATE: MA  
COUNTRY: U.S.A.  
ZIP: 02110-2804  
COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patent in Release #1.0, Version #1.30B  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/482,111  
FILING DATE: 05-AUG-1994  
CLASSIFICATION: 530  
ATTORNEY/AGENT INFORMATION:  
NAME: Fasse, J. Peter  
REGISTRATION NUMBER: 32,983  
REFERENCE/DOCKET NUMBER: 6004/000901  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (617) 542-8906  
TELEFAX: (617) 542-8906  
INFORMATION FOR SEQ ID NO: 15:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 65 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: peptide  
US-08-330-163-15

Query Match: 54.4%, Score 195, DB 1, Length 65,  
Post Local Similarity 91.5%, Pos 1, Cn 16,  
Matches 33, Conservative 13, Mismatches 18, Indels 0, Gaps 0

Db 61 CLEM 64  
62 DDEL 65

RESULT 4  
US-09-482-111-15  
Sequence 15, Application US/08482111  
Patent No. 5789539

GENERAL INFORMATION:  
APPLICANT: Daly, Thomas J.  
APPLICANT: Labosa, Gregory J.  
TITLE OF INVENTION: Chemokine-Like Proteins and Methods of  
TITLE OF INVENTION: Use  
NUMBER OF SEQUENCES: 73  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Fitch & Richardson P.C.  
STREET: 225 Franklin Street  
CITY: Boston  
STATE: MA  
COUNTRY: U.S.A.  
ZIP: 02110-2804  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patent in Release #1.0, Version #1.30B  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/482,111  
FILING DATE: 07-JUN-1995  
CLASSIFICATION: 514  
ATTORNEY/AGENT INFORMATION:  
NAME: Fasse, J. Peter  
REGISTRATION NUMBER: 32,983  
REFERENCE/DOCKET NUMBER: 6004/000901  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (617) 542-8906  
TELEFAX: (617) 542-8906  
INFORMATION FOR SEQ ID NO: 15:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 65 amino acids





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1 NUMBER OF SEQ ID NOS: 14
2 SOFTWARE: Patentin Ver. 2.1
3 SEQ ID NO: 1
4 LENGTH: 35
5 TYPE: PR1
6 ORGANISM: Artificial Sequence
7 FEATURE:
8 OTHER INFORMATION: Description of Artificial Sequence: Synthetic
US-09-144-838-22

Query Match
Best Local Similarity 100.0%; Pred. No. 7a-1c;
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

CY 30 CSMRAVVFVFKRVCANREKRWREYINSLEMS 64
DB 1 CSMRAVVFVFKRVCANREKRWREYINSLEMS 35
US-09-144-838-15
1 Sequence 15, Application US/09144838A
2 Patent No. US20020051996A1
3 GENERAL INFORMATION:
4 APPLICANT: Stani, Michael A.
5 APPLICANT: Wilken, Jill
6 APPLICANT: Simon, Reyna
7 TITLE OF INVENTION: Modular Protein Libraries and Methods of Preparation
8 FILE REFERENCE: GREY 020/0105
9 CURRENT APPLICATION NUMBER: US/09/144,838A
10 EARLIER FILING DATE: 1998-08-31
11 EARLIER APPLICATION NUMBER: US/60/057,620
12 NUMBER OF SEQ ID NOS: 54
13 SOFTWARE: Patentin Ver. 2.1
14 SEQ ID NO: 15
15 LENGTH: 33
16 TYPE: PR1
17 ORGANISM: Artificial Sequence
18 FEATURE:
19 OTHER INFORMATION: Description of Artificial Sequence: Synthetic
US-09-144-838-15

Query Match
Best Local Similarity 100.0%; Pred. No. 4a-1d;
Matches 29; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

CY 1 SPTTCCFAVIAPPLPAHIREYFTSGK 29
DB 5 SPTTCCFAVIAPPLPAHIREYFTSGK 33
US-09-144-838-16
1 Sequence 16, Application US/09144838A
2 Patent No. US20020051996A1
3 GENERAL INFORMATION:
4 APPLICANT: Stani, Michael A.
5 APPLICANT: Wilken, Jill
6 APPLICANT: Simon, Reyna
7 TITLE OF INVENTION: Modular Protein Libraries and Methods of Preparation
8 FILE REFERENCE: GREY 020/0105
9 CURRENT APPLICATION NUMBER: US/09/144,838A
10 EARLIER FILING DATE: 1998-08-31
11 EARLIER APPLICATION NUMBER: US/60/057,620
12 NUMBER OF SEQ ID NOS: 54
13 SOFTWARE: Patentin Ver. 2.1
14 SEQ ID NO: 16
15 LENGTH: 34
16 TYPE: PR1

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1 ORGANISM: Artificial Sequence
2 FEATURE:
3 OTHER INFORMATION: Description of Artificial Sequence: Synthetic
US-09-144-838-16

Query Match
Best Local Similarity 43.6%; Score 153.5; DB 10; Length 34;
Matches 29; Conservative 0; Mismatches 0; Indels 1; Gaps 1;

CY 1 SPTTCCFAVIAPPLPAHIREYFTSGK 29
DB 5 SPTTCCFAVIAPPLPAHIREYFTSGK 34
US-09-144-838-14
1 Sequence 14, Application US/09144838A
2 Patent No. US20020051996A1
3 GENERAL INFORMATION:
4 APPLICANT: Stani, Michael A.
5 APPLICANT: Wilken, Jill
6 APPLICANT: Simon, Reyna
7 TITLE OF INVENTION: Modular Protein Libraries and Methods of Preparation
8 FILE REFERENCE: GREY 020/0105
9 CURRENT APPLICATION NUMBER: US/09/144,838A
10 EARLIER FILING DATE: 1998-08-31
11 EARLIER APPLICATION NUMBER: US/60/057,620
12 NUMBER OF SEQ ID NOS: 54
13 SOFTWARE: Patentin Ver. 2.1
14 SEQ ID NO: 14
15 LENGTH: 32
16 TYPE: PR1
17 ORGANISM: Artificial Sequence
18 FEATURE:
19 OTHER INFORMATION: Description of Artificial Sequence: Synthetic
US-09-144-838-14

Query Match
Best Local Similarity 38.9%; Score 127; DB 10; Length 32;
Matches 24; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

CY 6 CCFVAVIAPPLPAHIREYFTSGK 29
DB 9 CCFVAVIAPPLPAHIREYFTSGK 32
US-09-144-838-21
1 Sequence 21, Application US/09144838A
2 Patent No. US20020051996A1
3 GENERAL INFORMATION:
4 APPLICANT: Stani, Michael A.
5 APPLICANT: Wilken, Jill
6 APPLICANT: Simon, Reyna
7 TITLE OF INVENTION: Modular Protein Libraries and Methods of Preparation
8 FILE REFERENCE: GREY 020/0105
9 CURRENT APPLICATION NUMBER: US/09/144,838A
10 EARLIER FILING DATE: 1998-08-31
11 EARLIER APPLICATION NUMBER: US/60/057,620
12 EARLIER FILING DATE: 1997-09-04
13 NUMBER OF SEQ ID NOS: 54
14 SOFTWARE: Patentin Ver. 2.1
15 SEQ ID NO: 21
16 LENGTH: 34
17 TYPE: PR1
18 ORGANISM: Artificial Sequence
19 FEATURE:
20 OTHER INFORMATION: Description of Artificial Sequence: Synthetic
US-09-144-838-21

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DB 1 CSHAVVETPRPCVCAHKEFWVEYTSLS 64
Query Match 94.3%; Score 332; DB 4; Length 60;
Best Local Similarity 100.0%; Pred No 1; Mismatches 0; Indels 0; Gaps 0;
Matches 60; Conservative 0;
CY 5 CSHAVVETPRPCVCAHKEFWVEYTSLS 64
DB 1 CSHAVVETPRPCVCAHKEFWVEYTSLS 60

RESULT 3
US-09-141-833-4
Sequence 4, Application US/09141833
Patent No. 6168784
GENERAL INFORMATION:
APPLICANT: OPGORD, ROBIN E
APPLICANT: THOMPSON, DARREN
APPLICANT: WILKIN, JILL
TITLE OF INVENTION: N-TERMINAL MODIFICATIONS OF RANTES AND METHOD OF USE
FILE REFERENCE: GPRN-026/0303
CURRENT FILING DATE: 1998-06-28
CURRENT APPLICATION NUMBER: US/09/141,833
EARLIER FILING DATE: 1997-09-03
EARLIER APPLICATION NUMBER: 60/077,874
EARLIER FILING DATE: 1997-09-03
EARLIER APPLICATION NUMBER: 60/077,874
EARLIER FILING DATE: 1998-06-28
EARLIER APPLICATION NUMBER: 60/090,834
EARLIER FILING DATE: 1998-06-28
EARLIER APPLICATION NUMBER: 60/090,834
EARLIER FILING DATE: 1998-06-28
EARLIER APPLICATION NUMBER: 60/090,834

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DB 1 CSHAVVETPRPCVCAHKEFWVEYTSLS 64
Query Match 94.3%; Score 332; DB 4; Length 60;
Best Local Similarity 100.0%; Pred No 1; Mismatches 0; Indels 0; Gaps 0;
Matches 60; Conservative 0;
CY 5 CSHAVVETPRPCVCAHKEFWVEYTSLS 64
DB 1 CSHAVVETPRPCVCAHKEFWVEYTSLS 60

RESULT 4
US-09-141-833-3
Sequence 3, Application US/09141833
Patent No. 6168784
GENERAL INFORMATION:
APPLICANT: OPGORD, ROBIN E
APPLICANT: THOMPSON, DARREN
APPLICANT: WILKIN, JILL
TITLE OF INVENTION: N-TERMINAL MODIFICATIONS OF RANTES AND METHOD OF USE
FILE REFERENCE: GPRN-026/0303
CURRENT FILING DATE: 1998-08-28
CURRENT APPLICATION NUMBER: 60/077,874
EARLIER FILING DATE: 1997-09-03
EARLIER APPLICATION NUMBER: 60/077,874
EARLIER FILING DATE: 1998-06-28
EARLIER APPLICATION NUMBER: 60/090,834
EARLIER FILING DATE: 1998-06-28
EARLIER APPLICATION NUMBER: 60/090,834
EARLIER FILING DATE: 1998-06-28
EARLIER APPLICATION NUMBER: 60/090,834
EARLIER FILING DATE: 1998-06-28
EARLIER APPLICATION NUMBER: 60/090,834

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Sat Feb 8 11:21:37 2003

us-09-537-858c-1\_copy\_28\_91.open.rapb

Genome version 5.1.3  
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OW Protein: Protein search, using SW model

Run on: February 8, 2003, 11:07:33, Search time 12 seconds  
(without alignments)

128,985 Million cell updates/sec

Title: US-09-537-858c-1\_COPY\_28\_91

Perfect score: 352

Sequence: 1

Scoring table: BLOSUM62

Gap: 10.0, Gapext 0.5

Search: 128,985 seqs, 22169297 residues

To: Number of hits satisfying: 128,985

Minimum DB seq length: 0

Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

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14: /cgn2\_6/prodata/2/pub/paa/US08\_PUB\_PEP.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Match length	ID	Description
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2	352	100	68	Sequence 10, Appl
3	352	100	68	Sequence 42, Appl
4	352	100	68	Sequence 11, Appl
5	352	100	68	Sequence 21, Appl
6	352	100	68	Sequence 9, Appl
7	352	100	68	Sequence 5, Appl
8	352	100	68	Sequence 46, Appl
9	352	100	68	Sequence 38, Appl
10	352	100	68	Sequence 29, Appl
11	352	100	68	Sequence 10, Appl
12	352	100	68	Sequence 42, Appl
13	352	100	68	Sequence 11, Appl
14	352	100	68	Sequence 21, Appl
15	352	100	68	Sequence 9, Appl
16	352	100	68	Sequence 5, Appl
17	352	100	68	Sequence 46, Appl
18	352	100	68	Sequence 38, Appl
19	352	100	68	Sequence 29, Appl

20	260	73	68	US-09-144-838-10
21	259	73	68	US-09-144-838-10
22	239	67	68	US-09-144-838-10
23	228	64	68	US-09-144-838-10
24	225	63	68	US-09-144-838-10
25	212	60	68	US-09-144-838-10
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43	198	56	68	US-09-144-838-10
44	198	56	68	US-09-144-838-10
45	194	55	68	US-09-144-838-10

ALIGNMENTS

RESULT 1  
US-09-792-793A-29  
Sequence 29, Application 08-97-1079A  
Patent No. US2002019390A1  
GENERAL INFORMATION:  
APPLICANT: McDonald, John P.  
INVENTOR: McDonald, John P.  
TITLE OF INVENTION: METHOD AND COMPOSITIONS FOR  
TREATING INFLAMMATORY CONDITIONS  
FILE REFERENCE: 2002019390A1  
CURRENT FILING DATE: 2002-02-07  
NUMBER OF SEQ ID NOS: 1  
SOFTWARE: Patent In Ver. 2.0  
SEQ ID NO: 29  
LENGTH: 68  
TYPE: PRT  
ORGANISM: homo sapiens  
OTHER INFORMATION: Human protein Polypeptide  
US-09-792-793A-29

Query Match  
Best Local Similarity 100%, Pred No. 7, 68  
Matches 64, Conserved 64, Mismatches 4  
US-09-144-838-10  
Sequence 10, Application 08-97-1079A  
Patent No. US2002005195A1  
GENERAL INFORMATION:  
APPLICANT: Stant, Michael A.  
INVENTOR: Wilken, III  
TITLE OF INVENTION: METHOD AND COMPOSITIONS FOR  
TREATING INFLAMMATORY CONDITIONS  
FILE REFERENCE: 2002005195A1  
CURRENT FILING DATE: 2002-02-07  
NUMBER OF SEQ ID NOS: 1  
SOFTWARE: Patent In Ver. 2.0  
SEQ ID NO: 10  
LENGTH: 68  
TYPE: PRT  
ORGANISM: homo sapiens  
OTHER INFORMATION: Human protein Polypeptide  
US-09-144-838-10

APPLICANT: Simon, Paya  
 APPLICANT: Kent, Stephen B.H.  
 TITLE OF INVENTION: Modular Protein Libraries and Methods of Preparation  
 FILE REFERENCE: GREN 02/0195  
 CURRENT APPLICATION NUMBER: US/03/144,438A  
 CURRENT FILING DATE: 1998-08-31  
 EARLIER APPLICATION NUMBER: US/02/057,722  
 EARLIER FILING DATE: 1997-08-04  
 NUMBER OF SEQ ID NOS: 64  
 SOFTWARE: PatentIn Ver. 2.1  
 SEQ ID NO 10  
 LENGTH: 68  
 TYPE: PRT  
 ORGANISM: Artificial Sequence  
 FEATURE:  
 OTHER INFORMATION: Description of Artificial Sequence Synthesized  
 US-09-144-438-10

Query Match 100.0%, Score 357, PP 16, Length 68,  
 Best Local Similarity 100.0%, Freq No. 7, P 35,  
 Matches 64; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 SETTTCGFAVIAAPLPAHIREYFTSGKSNDAVVFVTPKQVQVANDPEKWEYINS 60  
 DB 5 SETTTCGFAVIAAPLPAHIREYFTSGKSNDAVVFVTPKQVQVANDPEKWEYINS 64  
 QY 61 LEWS 64  
 DB 65 LEWS 68

RESULT 3  
 US-09-144-838-42  
 Sequence 42, Application US/09144838A  
 Patent No. US20020081946A1  
 GENERAL INFORMATION:  
 APPLICANT: Siani, Michael A.  
 APPLICANT: Wilken, Jill  
 APPLICANT: Simon, Paya  
 APPLICANT: Kent, Stephen B.H.  
 TITLE OF INVENTION: Modular Protein Libraries and Methods of Preparation  
 FILE REFERENCE: GREN 02/0195  
 CURRENT APPLICATION NUMBER: US/03/144,838A  
 CURRENT FILING DATE: 1998-08-31  
 EARLIER APPLICATION NUMBER: US/02/057,722  
 EARLIER FILING DATE: 1997-08-04  
 NUMBER OF SEQ ID NOS: 54  
 SOFTWARE: PatentIn Ver. 2.1  
 SEQ ID NO 42  
 LENGTH: 68  
 TYPE: PRT  
 ORGANISM: Artificial Sequence  
 FEATURE:  
 OTHER INFORMATION: Description of Artificial Sequence Synthesized  
 US-09-144-838-42

Query Match 100.0%, Score 352, PP 10, Length 68,  
 Best Local Similarity 100.0%, Freq No. 7, P 35,  
 Matches 64; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 SETTTCGFAVIAAPLPAHIREYFTSGKSNDAVVFVTPKQVQVANDPEKWEYINS 60  
 DB 5 SETTTCGFAVIAAPLPAHIREYFTSGKSNDAVVFVTPKQVQVANDPEKWEYINS 64  
 QY 61 LEWS 64  
 DB 65 LEWS 68

RESULT 4  
 US-09-195-457-11  
 Sequence 11, Application US/09105457  
 Patent No. US20020081623A1

GENERAL INFORMATION:  
 APPLICANT: WILLIAMS, TIMOTHY J.  
 APPLICANT: JOSE, PETER J.  
 APPLICANT: GRIFFITHS, JENNIFER, DAVID A  
 APPLICANT: HEWAN, JOHN J.  
 TITLE OF INVENTION: CHEMOTACTIC PEPTIDES  
 FILE REFERENCE: 550-33  
 CURRENT APPLICATION NUMBER: US/04/195,457  
 CURRENT FILING DATE: 1998-11-18  
 PRIOR APPLICATION NUMBER: 08/470,323  
 PRIOR FILING DATE: 1995-06-06  
 PRIOR APPLICATION NUMBER: PCT/GB94/02006  
 PRIOR FILING DATE: 1994-09-14  
 PRIOR APPLICATION NUMBER: GB 9119384 3  
 PRIOR FILING DATE: 1993-09-14  
 PRIOR APPLICATION NUMBER: GB 9408700 2  
 PRIOR FILING DATE: 1994-04-29  
 NUMBER OF SEQ ID NOS: 11  
 SEQ ID NO 11  
 LENGTH: 68  
 TYPE: PRT  
 ORGANISM: human  
 US-09-195-457-11

Query Match 100.0%, Score 357, PP 16, Length 68,  
 Best Local Similarity 100.0%, Freq No. 7, P 35,  
 Matches 64; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 SETTTCGFAVIAAPLPAHIREYFTSGKSNDAVVFVTPKQVQVANDPEKWEYINS 60  
 DB 5 SETTTCGFAVIAAPLPAHIREYFTSGKSNDAVVFVTPKQVQVANDPEKWEYINS 64  
 QY 61 LEWS 64  
 DB 65 LEWS 69

RESULT 5  
 US-08-927-939-21  
 Sequence 21, Application US/0827939  
 Patent No. US200100640A1  
 GENERAL INFORMATION:  
 APPLICANT: Granger, David J.  
 APPLICANT: Catalick, Lauren Marie  
 TITLE OF INVENTION: Peptides and methods of use in eliciting or  
 modulating an inflammatory response.  
 FILE REFERENCE: 295-02081  
 CURRENT APPLICATION NUMBER: 07/98,927,939  
 CURRENT FILING DATE: 1997-09-11  
 NUMBER OF SEQ ID NOS: 83  
 SOFTWARE: FastSeq for Windows Version 3.0  
 SEQ ID NO 21  
 LENGTH: 91  
 TYPE: PRT  
 ORGANISM: Homo sapiens  
 US-08-927-939-21

Query Match 100.0%, Score 350, PP 9, Length 91,  
 Best Local Similarity 100.0%, Freq No. 16-34,  
 Matches 64; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 SETTTCGFAVIAAPLPAHIREYFTSGKSNDAVVFVTPKQVQVANDPEKWEYINS 60  
 DB 28 SETTTCGFAVIAAPLPAHIREYFTSGKSNDAVVFVTPKQVQVANDPEKWEYINS 87  
 QY 61 LEWS 64  
 DB 88 LEWS 91

RESULT 6  
 US-10-957-275-8  
 Sequence 8, Application US/10057275

Patent No. US2002015545A1  
 GENERAL INFORMATION:  
 APPLICANT: Coleman, Roger  
 Bandman, Olga  
 Wilde, Craig G.  
 TITLE OF INVENTION: NEW THROMBINS EXPRESSED IN PANCREAS  
 NUMBER OF SEQUENCES: 11  
 CORRESPONDENCE ADDRESS:  
 ADDRESSEE: Inocyte Pharmaceuticals, Inc.  
 STREET: 3174 Porter Drive  
 CITY: Palo Alto  
 STATE: CA  
 COUNTRY: U S  
 ZIP: 94304  
 COMPUTER READABLE FORM:  
 MEDIUM TYPE: Diskette  
 COMPUTER: IBM Compatible  
 OPERATING SYSTEM: DOS  
 SOFTWARE: FASTSEQ Version 1.5  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/10/057,275  
 FILING DATE: 25-Jan-2002  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: US/08/390,740A  
 FILING DATE: February 17, 1995  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Luther, Barbara J.  
 REGISTRATION NUMBER: 31,954  
 REFERENCE/DOCKET NUMBER: PF-0027 US  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: 415-855-0555  
 TELEFAX: 415-855-0125  
 INFORMATION FOR SEQ ID NO: 8:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 91 amino acids  
 TYPE: amino acid  
 STRANDEDNESS: single  
 TOPOLOGY: linear  
 MOLECULE TYPE: peptide  
 IMMEDIATE SOURCE:  
 LIBRARY: Genbank  
 CLONE: RANTES  
 SEQUENCE DESCRIPTION: SEQ ID NO: 8:  
 US-10-057-275-8  
 Query Match: 100.0% Score 3521 DB: 91 Length: 91  
 Best Local Similarity: 100.0% Prol. No.: 10-34  
 Matches: 64 Conservative: 0 Mismatches: 0 Gaps: 0  
 QY 1 SUTPGCAVIAAPLPAHKEVYTGQVSNPAVYVTPYQVQANFEYVWFYNS 60  
 DT 28 SUTPGCAVIAAPLPAHKEVYTGQVSNPAVYVTPYQVQANFEYVWFYNS 67  
 QY 61 LEWS 64  
 DB 88 LEWS 91  
 RESULT 7  
 US-09-144-838-9  
 Sequence 3, Application US/09144838A  
 GENERAL INFORMATION:  
 APPLICANT: Stant, Michael A.  
 APPLICANT: Wilken, Jill  
 APPLICANT: Simon, Reyna  
 APPLICANT: Kent, Stephen B.H.  
 TITLE OF INVENTION: Novel proteins and methods of preparation  
 FILE REFERENCE: GFPN-020/01US  
 CURRENT APPLICATION NUMBER: US/09/1244,829A  
 CURRENT FILING DATE: 1998-08-31  
 EARLIER APPLICATION NUMBER: US 660657,620  
 EARLIER FILING DATE: 1997-09-04

NUMBER OF SEQ ID NO: 64  
 SOFTWARE: PatentIn Ver. 1.01  
 SEQ ID NO: 9  
 LENGTH: 91  
 TYPE: PRT  
 ORGANISM: Artificial Sequence  
 FEATURE:  
 OTHER INFORMATION: Description of Artificial S.  
 US-09-144-838-9  
 Query Match: 100.0% Score 3521 DB: 91  
 Best Local Similarity: 100.0% Prol. No.: 10-34  
 Matches: 64 Conservative: 0 Mismatches: 0  
 QY 1 SUTPGCAVIAAPLPAHKEVYTGQVSNPAVYVTPYQVQANFEYVWFYNS 60  
 DT 28 SUTPGCAVIAAPLPAHKEVYTGQVSNPAVYVTPYQVQANFEYVWFYNS 67  
 QY 61 LEWS 64  
 DB 88 LEWS 91  
 RESULT 8  
 US-09-834-795A-29  
 Sequence 13, Application US/09834795A  
 Patent No. US2002007671A1  
 GENERAL INFORMATION:  
 APPLICANT: Lawrence, Papsister  
 APPLICANT: Lynn, Dwyer  
 APPLICANT: Jana, Frustrat  
 TITLE OF INVENTION: Detection and treatment of  
 FILE REFERENCE: 3982/1127-083  
 CURRENT APPLICATION NUMBER: US/09/834,795A  
 CURRENT FILING DATE: 2001-04-12  
 PRIOR APPLICATION NUMBER: 17/447,580  
 PRIOR FILING DATE: 1999-06-03  
 PRIOR APPLICATION NUMBER: 13/771,999  
 PRIOR FILING DATE: 1998-01-20  
 PRIOR APPLICATION NUMBER: 13/772,156  
 PRIOR FILING DATE: 1998-07-09  
 NUMBER OF SEQ ID NO: 35  
 SOFTWARE: PatentIn Version 1.0  
 SEQ ID NO: 29  
 LENGTH: 91  
 TYPE: PRT  
 ORGANISM: Homo sapiens  
 US-09-834-795A-29  
 Query Match: 100.0% Score 3521 DB: 91  
 Best Local Similarity: 100.0% Prol. No.: 10-34  
 Matches: 64 Conservative: 0 Mismatches: 0  
 QY 1 SUTPGCAVIAAPLPAHKEVYTGQVSNPAVYVTPYQVQANFEYVWFYNS 60  
 DT 28 SUTPGCAVIAAPLPAHKEVYTGQVSNPAVYVTPYQVQANFEYVWFYNS 67  
 QY 61 LEWS 64  
 DB 88 LEWS 91  
 RESULT 9  
 US-10-158-366-5  
 Sequence 5, Application US/10158366  
 Patent No. US20020142398A1  
 GENERAL INFORMATION:  
 APPLICANT: Coleman, Roger  
 APPLICANT: Wilken, Jill  
 APPLICANT: Stant, Michael A.  
 TITLE OF INVENTION: NEW KINE EXPRESSED IN  
 NUMBER OF SEQUENCES: 11











```

CORRESPONDENCE ADDRESS:
ADDRESSER: HAIT AND POPE LLP
STREET: 60 State Street
CITY: Boston
STATE: MA
COUNTRY: United States of America
ZIP: 02109

COMPUTER READABLE FORM:
MEDIAN TYPE: FILEY disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/496,397
FILING DATE: 25-SEP-1997
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Baker, Hollie L.
REGISTRATION NUMBER: 31,321
REFERENCE/DOCKET NUMBER: 102378.262
ELECTRONIC INFORMATION:
TELEPHONE: 617-526-6000
TELEFAX: 617-526-5000
INFORMATION FOR SEQ ID NO: 1
SEQUENCE CHARACTERISTICS:
LENGTH: 68 amino acids
TYPE: misc. a.a.s
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
HYPOTHETICAL: NO
ANTI-SENSE: NO
US-08-936-387-1

Query Match
Best Local Similarity 100.0%; Score 352; DB 2; Length 68;
Matches 64; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 SGTTPGFAIVAFIPFAHIFETFTSGSTNATVETFRFVQALHFFHWREYINS 60
DB 5 SGTTPGFAIVAFIPFAHIFETFTSGSTNATVETFRFVQALHFFHWREYINS 64

QY 61 LEWS 64
DB 65 LEWS 62

PRT 3
US-08-935-232A-11
Sequence 11, Application US/08615232A
Patent No. 5993814
GENERAL INFORMATION:
APPLICANT: WILLIAMS, TIMOTHY J.
APPLICANT: JOSE, PETER J.
APPLICANT: CRIFTHS-JOHNSON, DAVID A.
APPLICANT: HSUAN, JOHN J.
TITLE OF INVENTION: CHEMOINACTIC CYTOKINE
NUMBER OF SEQUENCES: 11
CORRESPONDENCE ADDRESS:
ADDRESSER: NIXON & WATERHIRE P.C.
STREET: 1100 NORTH RIVER ROAD, 4TH FLOOR
CITY: ARLINGTON
STATE: VIRGINIA
COUNTRY: U.S.A.
ZIP: 22201-4714
COMPUTER: PERIARAF, RISC.
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25 (PPT)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/615,232A
FILING DATE: 13-AUG-1996

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CLASSIFICATION: 424
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 0319044
FILING DATE: 14-SEP-1993
APPLICATION NUMBER: GB 9408602
FILING DATE: 29-APR-1994
ATTORNEY/AGENT INFORMATION:
NAME: WILSON, MARY J.
REGISTRATION NUMBER: 32,355
REFERENCE/DOCKET NUMBER: 550-32
TELECOMMUNICATION INFORMATION:
TELEPHONE: (703) 816-4000
TELEFAX: (703) 816-4100
INFORMATION FOR SEQ ID NO: 11:
SEQUENCE CHARACTERISTICS:
LENGTH: 68 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: peptide
US-08-615-232A-11

Query Match
Best Local Similarity 100.0%; Score 352; DB 2; Length 68;
Matches 64; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 SGTTPGFAIVAFIPFAHIFETFTSGSTNATVETFRFVQALHFFHWREYINS 60
DB 5 SGTTPGFAIVAFIPFAHIFETFTSGSTNATVETFRFVQALHFFHWREYINS 64

QY 61 LEWS 64
DB 65 LEWS 68

PRT
US-08-470-323-11
Sequence 11, Application US/08470323A
Patent No. 7011980
GENERAL INFORMATION:
APPLICANT: WILLIAMS, TIMOTHY J.
APPLICANT: JOSE, PETER J.
APPLICANT: CRIFTHS-JOHNSON, DAVID A.
APPLICANT: HSUAN, JOHN J.
TITLE OF INVENTION: CHEMOINACTIC CYTOKINE
FILE REFERENCE: 550-33
CURRENT APPLICATION NUMBER: US/08/470,323A
CURRENT FILING DATE: 1995-06-06
EARLIER APPLICATION NUMBER: PCT/GB94/02006
EARLIER FILING DATE: 1994-09-14
EARLIER APPLICATION NUMBER: GB 9319044 3
EARLIER FILING DATE: 1993-09-14
EARLIER APPLICATION NUMBER: GB 9408602.2
EARLIER FILING DATE: 1994-04-29
NUMBER OF SEQ ID NOS: 11
SEQ ID NO 11
LENGTH: 68
TYPE: PRT
ORGANISM: human
US-08-470-323-11

Query Match
Best Local Similarity 100.0%; Score 352; DB 3; Length 68;
Matches 64; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 SGTTPGFAIVAFIPFAHIFETFTSGSTNATVETFRFVQALHFFHWREYINS 60
DB 5 SGTTPGFAIVAFIPFAHIFETFTSGSTNATVETFRFVQALHFFHWREYINS 64

QY 61 LEWS 64
DB 65 LEWS 68

```



APPLICANT: WELLS, TIMOTHY NIGEL CARL  
 TITLE OF INVENTION: RANTES PEPTIDE AND FRAGMENTS AND  
 NUMBER OF INVENTION: COMPOSITIONS COMPRISING IT FOR TREATMENT OF INFLAMMATION  
 NUMBER OF SEQUENCES: 20  
 CORRESPONDENCE ADDRESS  
 ADDRESSEE: NIXON & VANDERHIVE P.C.  
 STREET: 1100 NORTH GLEBE ROAD  
 CITY: ARLINGTON  
 STATE: VIRGINIA  
 COUNTRY: U.S.A.  
 ZIP: 22201-4714  
 COMPUTER: IBM PC compatible  
 MEDIUM TYPE: FLOPPY disk  
 OPERATING SYSTEM: PC-DOS/MS-DOS  
 SOFTWARE: Patent in Release #1.0, Version #1.10  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/09/836,922  
 FILING DATE: 23 MAY-1997  
 CLASSIFICATION: 435  
 PRIORITY APPLICATION DATA:  
 APPLICATION NUMBER: GB 9424835.8  
 FILING DATE: 08-DEC-1994  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: GB 9512319.6  
 FILING DATE: 16-JUN-1995  
 ATTORNEY/AGENT INFORMATION:  
 NAME: WILSON, MARY J.  
 REGISTRATION NUMBER: 32,955  
 REFERENCE/DOCKET NUMBER: 1430-163  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: (703) 816-4011  
 TELEFAX: (703) 816-4100  
 INFORMATION FOR SEQ ID NO: 2:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 69 amino acids  
 TYPE: amino acid  
 STRANDEDNESS: single  
 TOPOLOGY: linear  
 MOLECULE TYPE: protein  
 US-08-836-922-2  
 Query Match 100.0% Score 352; DB 4; Length 69;  
 Best Local Similarity 100.0%; Pred. No. 5, 5e-35;  
 Matches 64; Conservative 0; Mismatches 0; Indels 0; Gaps 0  
 27 1 SCITTCGCAVAFATLFAHFFETTSCTGATVFTFTHFVDAHEHFWERHNS 60  
 DB 6 SCITTCGCAVAFATLFAHFFETTSCTGATVFTFTHFVDAHEHFWERHNS 60  
 QY 61 LEWS 64  
 DB 66 LEWS 69  
 RESULT 9  
 US-08-836-922-3  
 Sequence 3; Application us/09836922  
 Patent No. 6159711  
 GENERAL INFORMATION:  
 APPLICANT: JAMES F. URSOFF, AMANDA ELIZABETH  
 TITLE OF INVENTION: RANTES PEPTIDE AND FRAGMENTS AND  
 NUMBER OF INVENTION: COMPOSITIONS COMPRISING IT FOR TREATMENT OF INFLAMMATION  
 NUMBER OF SEQUENCES: 20  
 CORRESPONDENCE ADDRESS:  
 ADDRESSEE: NIXON & VANDERHIVE P.C.  
 STREET: 1100 NORTH GLEBE ROAD  
 CITY: ARLINGTON  
 STATE: VIRGINIA  
 COUNTRY: U.S.A.  
 ZIP: 22201-4714  
 COMPUTER: IBM PC compatible  
 MEDIUM TYPE: FLOPPY disk  
 OPERATING SYSTEM: PC-DOS/MS-DOS  
 SOFTWARE: Patent in Release #1.0, Version #1.10  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/09/836,922  
 FILING DATE: 23-MAY-1997  
 CLASSIFICATION: 435  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: GB 9424835.8  
 FILING DATE: 08-DEC-1994  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: GB 9512319.6  
 FILING DATE: 16-JUN-1995  
 ATTORNEY/AGENT INFORMATION:  
 NAME: WILSON, MARY J.  
 REGISTRATION NUMBER: 32,955  
 REFERENCE/DOCKET NUMBER: 1430-163  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: (703) 816-4011  
 TELEFAX: (703) 816-4100  
 INFORMATION FOR SEQ ID NO: 3:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 69 amino acids  
 TYPE: amino acid  
 STRANDEDNESS: single  
 TOPOLOGY: linear  
 MOLECULE TYPE: protein  
 US-08-836-922-3  
 Query Match 100.0% Score 352; DB 4; Length 69;  
 Best Local Similarity 100.0%; Pred. No. 5, 5e-35;  
 Matches 64; Conservative 0; Mismatches 0; Indels 0; Gaps 0  
 27 1 SCITTCGCAVAFATLFAHFFETTSCTGATVFTFTHFVDAHEHFWERHNS 60  
 DB 6 SCITTCGCAVAFATLFAHFFETTSCTGATVFTFTHFVDAHEHFWERHNS 60  
 QY 61 LEWS 64  
 DB 66 LEWS 69  
 RESULT 10  
 US-08-836-922-4  
 Sequence 4; Application us/09836922  
 Patent No. 6159711  
 GENERAL INFORMATION:  
 APPLICANT: JAMES F. URSOFF, AMANDA ELIZABETH  
 TITLE OF INVENTION: RANTES PEPTIDE AND FRAGMENTS AND  
 NUMBER OF INVENTION: COMPOSITIONS COMPRISING IT FOR TREATMENT OF INFLAMMATION  
 NUMBER OF SEQUENCES: 20  
 CORRESPONDENCE ADDRESS:  
 ADDRESSEE: NIXON & VANDERHIVE P.C.  
 STREET: 1100 NORTH GLEBE ROAD  
 CITY: ARLINGTON  
 STATE: VIRGINIA  
 COUNTRY: U.S.A.  
 ZIP: 22201-4714  
 COMPUTER: IBM PC compatible  
 MEDIUM TYPE: FLOPPY disk  
 OPERATING SYSTEM: PC-DOS/MS-DOS  
 SOFTWARE: Patent in Release #1.0, Version #1.10  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/09/836,922  
 FILING DATE: 23-MAY-1997  
 CLASSIFICATION: 435  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: GB 9424835.8  
 FILING DATE: 08-DEC-1994  
 PRIOR APPLICATION DATA:

Query Method	Score	Length
Local Similarity	100.0%	5
Pred No	5	5

QY	61	LEMS	64
	1	1	1
Db	66	LEMS	65

RESULT 11  
US-08-936-387-13  
; Sequence 13, Application US/06936387  
Data File No. 00000000

GENERAL INFORMATION:  
APPLICANT: Czaplowski, David S  
APPLICANT: Harte, Michael G  
APPLICANT: Edwards, Richard M  
APPLICANT: Dawson, Keith W  
TITLE OF INVENTION: USE OF CHEMOKINES  
NUMBER OF SPONSORS: 1A  
CORRESPONDENT ADDRESS:  
ADDRESSEE: DALE AND DORR LLP  
STREET: 60 State Street  
CITY: Boston  
STATE: MA  
COUNTRY: United States of America  
ZIP: 02109  
COMPUTER FORMAT: F FORM  
MEDIUM TYPE: floppy disk  
COMPILED BY: P. Czaplowski  
OPERATING SYSTEM: FIDELITY-100  
SOFTWARE: Patent in Progress #10, Version #1 to  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: 08/044,147  
FILING DATE: 26-SEP-1997  
CLASSIFICATION: 435  
ATTORNEY/AGENT INFORMATION:  
NAME: Baker, Hollie L.  
REGISTRATION NUMBER: 31,321  
REFERENCE/AGENT NUMBER: 10,378,121  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 517-526-6000  
TELEFAX: 617-526-5000  
INFORMATION FOR SEQ ID NO: 1:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 73 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
HYPOTHETICAL: NO

Query Match 100.00; Score 352; 38  
Best Local Similarity 100.00; Fred. No. 1  
Matches 64; Conserved 12; Mismatched

[illegible]

RESULT 12  
US-08-836-922-20

Sequence No. Application No. 100-4714  
 Patent No. 6159711  
 GENERAL INFORMATION:  
 APPLICANT: INNES TECHNOLOGY, AMANDA ELIZABETH  
 AFFILIANT: WELLS FARGO BANK, CARL  
 TITLE OF INVENTION: HANTERS PEPTIDE AND FLAVO  
 TITLE OF INVENTOR: WELLS FARGO COMPANY  
 NUMBER OF SEQUENCES: 1  
 CORRESPONDENCE ADDRESS:  
 ADDRESS: NIXON & VANDERHEE P.C.  
 STREET: 1100 NORTH BARK ROAD  
 CITY: ARLINGTON  
 STATE: VIRGINIA  
 COUNTRY: U.S.A.  
 ZIP: 22201-4214  
 COMPUTER READABLE FORM:

COMPUTER READABLE FORM:  
MEDIUM TYPE: FLIGHT DISK  
COMPUTER: IBM PC COMPATIBLE  
OPERATING SYSTEM: MS-DOS  
SOFTWARE: PAPER DIRECTOR #1.0, Version 1.0  
CURRENT APPLICATION NAME: 00000000000000000000  
APPLICATION NUMBER: 00000000000000000000  
FILING DATE: 21 MAY 1993  
CLASSIFICATION: 436  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 0 9428035.8  
FILING DATE: 08 DEC 1994  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 0 9417319.6  
FILING DATE: 16 JUN 1995  
ATTORNEY/AGENT INFORMATION:  
NAME: WILSON, MARY J.  
REGISTRATION NUMBER: 12 745  
REFERENCE/AGENT NUMBER: 1430163  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 703 347 4111  
TELEFAX: 703 347 4100  
INFORMATION FOR SEQ ID NO: 1:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 76 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
03 35 816 22 20

	Query Match	Score	Best Local Similarity	Pred. No. Mismatches
Marches	64	352	64	6

[illegible]

Db 73 LEMS 76

## RESULT 13

US-09-347-492B 12

Sequence 12, Application US/09347492B

Patent No. 6,006,000

## GENERAL INFORMATION:

APPLICANT: Wilde, Craig G.

APPLICANT: Hawkins, Phillip R.

APPLICANT: Handman, Olga

APPLICANT: Selihamer, Jeffrey J.

TITLE OF INVENTION: EXPRESSED GENOMES, THEIR

TITLE OF INVENTION: PRODUCTION AND USES

NUMBER OF SEQUENCES: 12

CORRESPONDENCE ADDRESS:

ADDRESSEE: INCYTE PHARMACEUTICALS, INC.

STREET: 3174 Porter Drive

CITY: Palo Alto

STATE: CA

COUNTRY: U.S.

ZIP: 94304

## COMPUTER READABLE FORM:

MEDIUM TYPE: Diskette

COMPUTER: IBM Compatible

OPERATING SYSTEM: DOS

SOFTWARE: FAST-SEQ Version 1.5

CURRENT APPLICATION DATA:

APPLICATION NUMBER: 09/347,492B

FILING DATE: 29 NOV 1994

PRIORITY APPLICATION DATA:

APPLICATION NUMBER: 08/293,241

FILING DATE: 07-SEP-1994

APPLICATION NUMBER: 08/100,211

FILING DATE: 06-OCT-1994

ATTORNEY/AGENT INFORMATION:

NAME: Luther, Barbara J.

REGISTRATION NUMBER: 33,954

REFERENCE TO OTHER NUMBERS: IF

TELECOMMUNICATION INFORMATION:

TELEPHONE: 415-855-0555

TELEFAX: 415-852-0195

INFORMATION FOR SEQ ID NO. 1:

SEQUENCE CHARACTERISTICS:

LENGTH: 91 amino acids

TYPE: amino acid

STRANDNESS: single

TOPOLOGY: linear

MOLECULE TYPE: peptide

IMMEDIATE SOURCE:

LIBRARY: GENBANK

CLONE: Z1134310

US-09-347-492B 12

Query Match: 100.0% Score 3527 DB 11 Length 91

Best Local Similarity: 100.0% Pred. No. 7 de 35

Matches: 64, Conservative 0, Mismatches 0, Indels 0, Gaps 0

Query Match: 100.0% Score 3527 DB 11 Length 91

Best Local Similarity: 100.0% Pred. No. 7 de 35

Matches: 64, Conservative 0, Mismatches 0, Indels 0, Gaps 0

Db 61 LEMS 64

88 LEMS 91

## RESULT 14

US-08-375-346A-5

Sequence 5, Application US/08375346A

Patent No. 5,605,817

## GENERAL INFORMATION:

APPLICANT: Selihamer, Jeffrey

APPLICANT: Wilde, Craig G.

APPLICANT: Selihamer, Jeffrey J.

TITLE OF INVENTION: A NEW CHEMICAL EXTENDED IN RETAL STIMUL

TITLE OF INVENTION: ITS PRODUCTION AND USES

NUMBER OF SEQUENCES: 9

CORRESPONDENCE ADDRESS:

ADDRESSEE: INCYTE PHARMACEUTICALS, INC.

STREET: 3300 HILVIEW AVENUE

CITY: PALO ALTO

STATE: CALIFORNIA

COUNTRY: USA

ZIP: 94304

MUTUAL: HEAVY P.W.

MEDIUM TYPE: Diskette

COMPUTER: IBM Compatible

OPERATING SYSTEM: DOS

SOFTWARE: FAST-SEQ Version 1.5

CURRENT APPLICATION DATA:

APPLICATION NUMBER: 08/375,346A

FILING DATE: 19-JAN-1995

CLASSIFICATION: 435

PRIORITY APPLICATION DATA:

APPLICATION NUMBER:

FILING DATE:

ATTORNEY/AGENT INFORMATION:

NAME: LUTHER, BARBARA J.

REGISTRATION NUMBER: 33,954

REFERENCE/OTHER NUMBER: 08-0026 US

TELECOMMUNICATION INFORMATION:

TELEPHONE: (415) 855-0555

TELEFAX: (415) 855-0572

INFORMATION FOR SEQ ID NO. 5:

SEQUENCE CHARACTERISTICS:

LENGTH: 91 amino acids

TYPE: amino acid

STRANDNESS: single

TOPOLOGY: linear

MOLECULE TYPE: peptide

ANTI-SENSE: NO

FRAGMENT TYPE: internal

ORIGINAL SOURCE:

US-08-375-346A-5

Query Match: 100.0% Score 3527 DB 11 Length 91

Best Local Similarity: 100.0% Pred. No. 7 de 35

Matches: 64, Conservative 0, Mismatches 0, Indels 0, Gaps 0

Query Match: 100.0% Score 3527 DB 11 Length 91

Best Local Similarity: 100.0% Pred. No. 7 de 35

Matches: 64, Conservative 0, Mismatches 0, Indels 0, Gaps 0

Db 61 LEMS 64

88 LEMS 91

## RESULT 15

US-08-480-449-21

Sequence 21, Application US/08480449

Patent No. 5,688,927

## GENERAL INFORMATION:

APPLICANT: Goldska, Ronald

APPLICANT: Gray, Patrick W.

TITLE OF INVENTION: MANUFACTURED DERIVED CHIMERIC

NUMBER OF SEQUENCES: 24

CORRESPONDENCE ADDRESS:

ADDRESSEE: Marshall, O'Toole, Gerstein, Murray &amp; Borun

STREET: 4300 Sears Tower, 23rd South Wacker Drive

CITY: Chicago

STATE: Illinois

COUNTRY: United States of America



ZIP: 60606-6402  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patent Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/480,449  
FILING DATE:  
CLASSIFICATION: 530  
ATTORNEY/AGENT INFORMATION:  
NAME: Gass, David A.  
REGISTRATION NUMBER: 38,153  
REFERENCE/COVER NUMBER: 27966/32779  
TELEPHONE: 312/474-6300  
TELEFAX: 312/474-0448  
TELEX: 25-3656  
INFORMATION FOR SEQ ID NO: 21:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 91 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: peptide  
FEATURE:  
NAME/KEY: misc feature  
OTHER INFORMATION: "PANTHS"  
US-08-480-449-21

Query Match 100.0% Score 352; DB 1; Length 91;  
Best local similarity 100.0% Pred No. 7,4e-35;  
Matches 64; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 SQTTPQFAVIAFPFPAHVEFYFTSNGSNPAVFYTPNPEWGANEFYFWPEYVINS 60  
DB 29 SQTTPQFAVIAFPFPAHVEFYFTSNGSNPAVFYTPNPEWGANEFYFWPEYVINS 87  
QY 61 LEWS 64  
DB 88 LEWS 91

Search completed: February 8, 2003, 11:08:04  
Job time: 15 secs

